

Figure 1

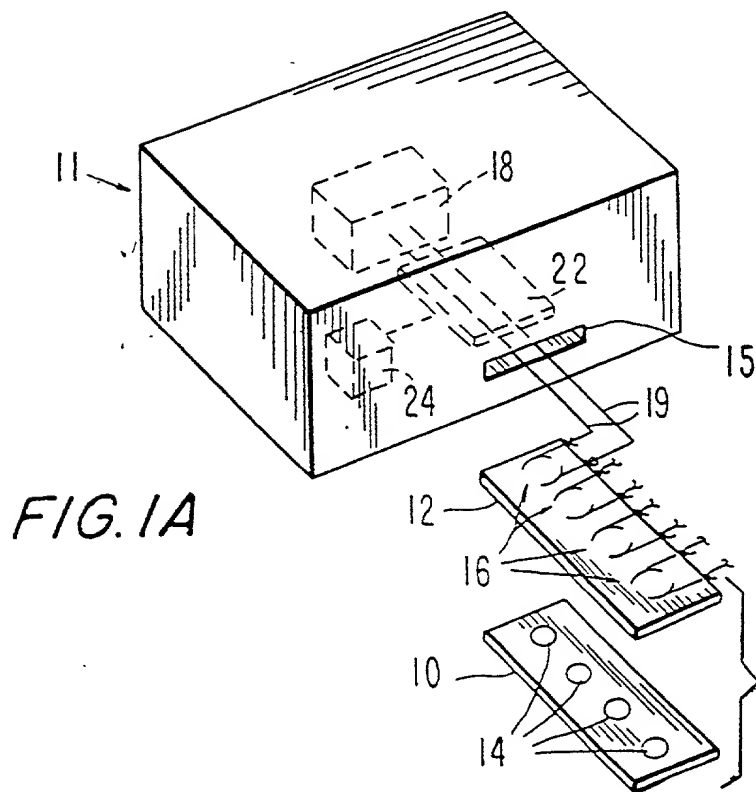
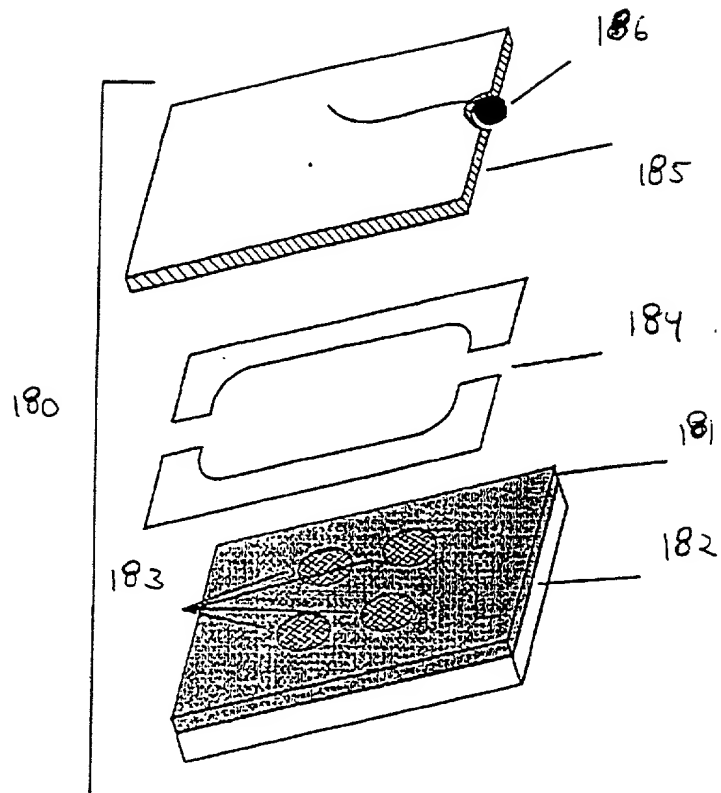


FIG. 2

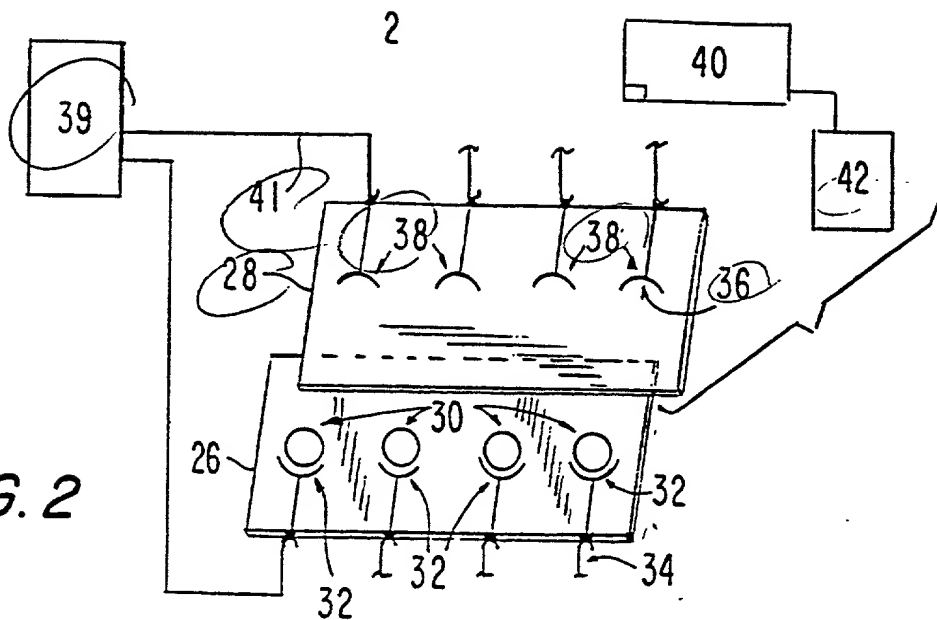


FIG. 3

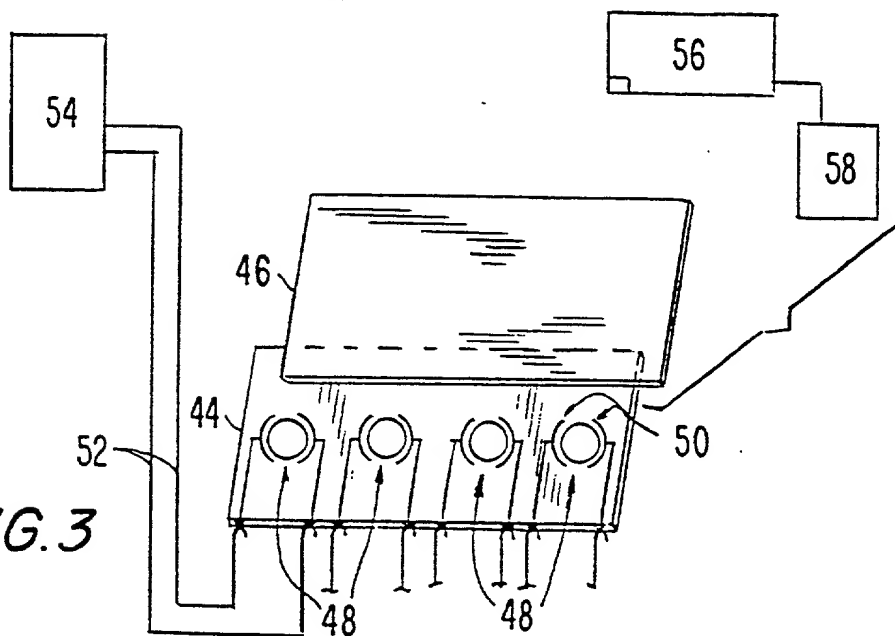
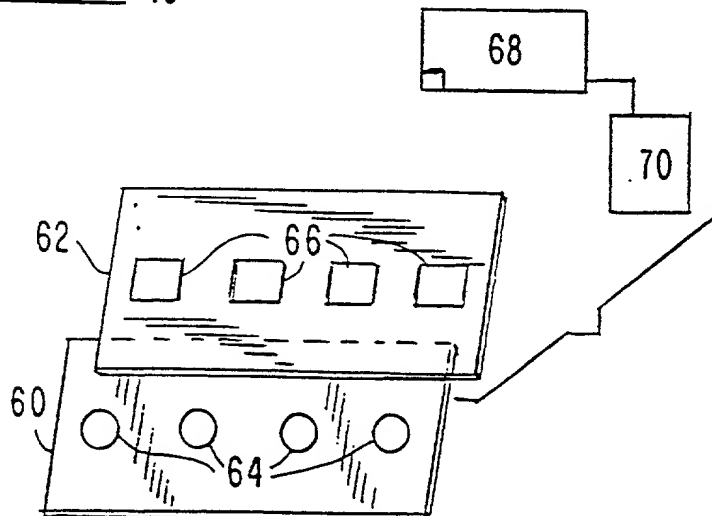


FIG. 4



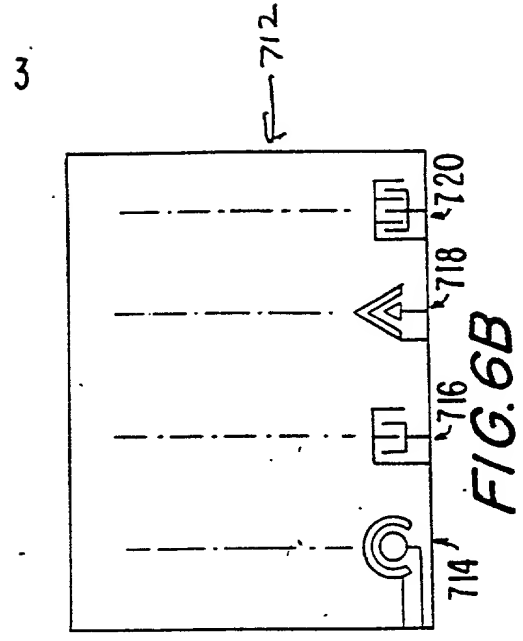
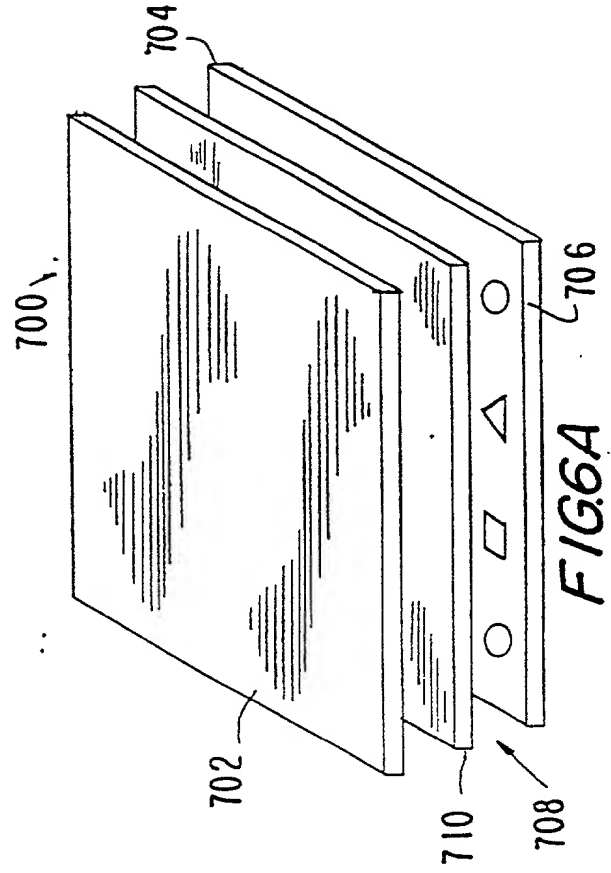
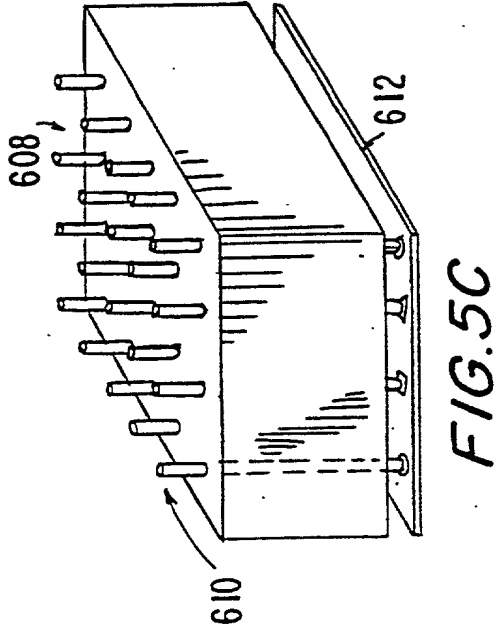
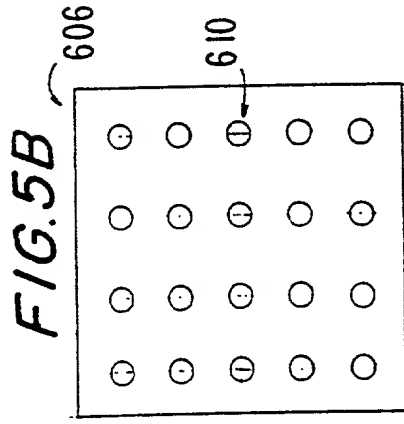
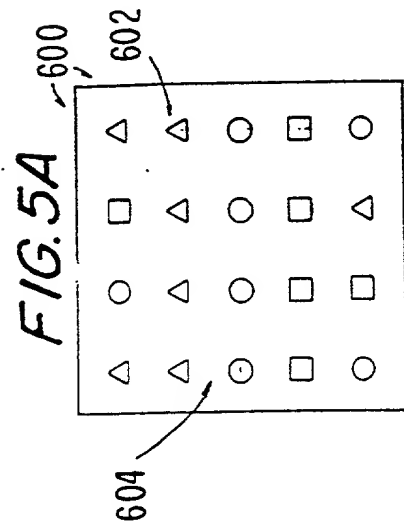


FIG. 7

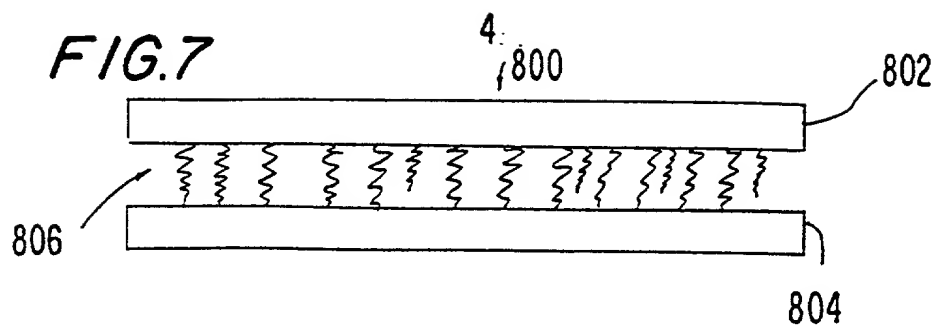


FIG. 8

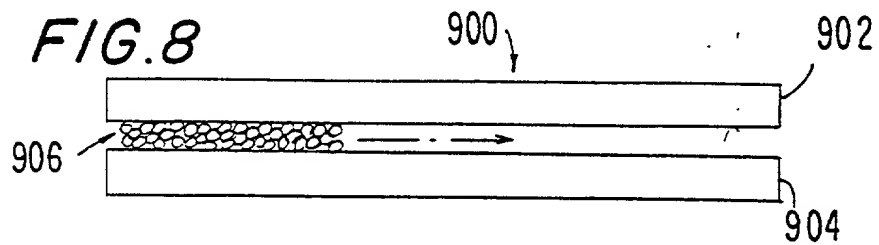


FIG. 9

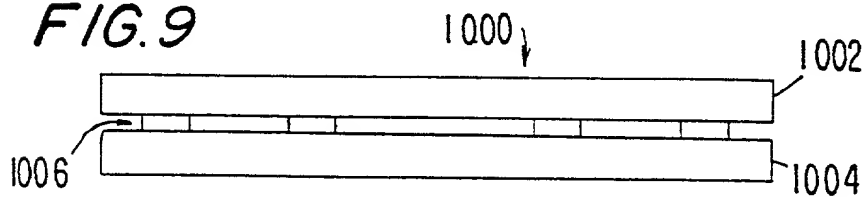


FIG. 10

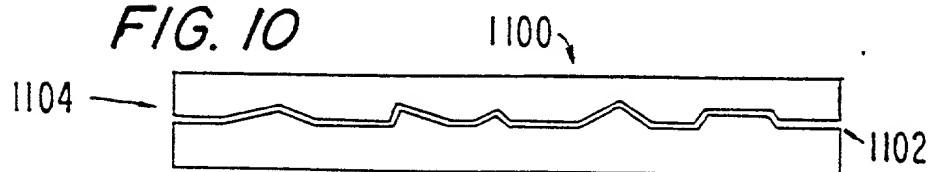


FIG. 11

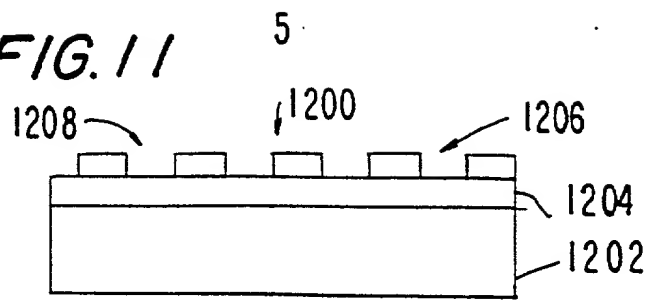


FIG. 12

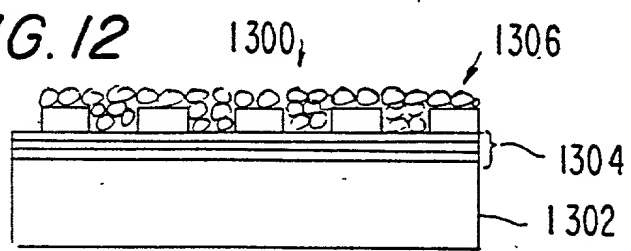
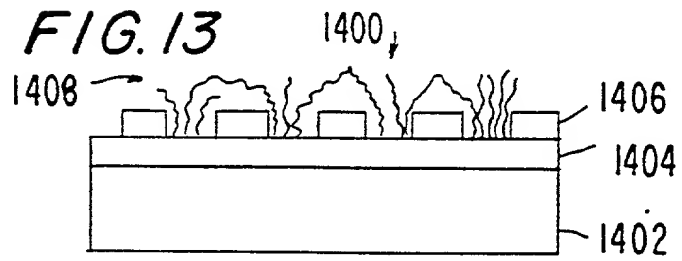


FIG. 13



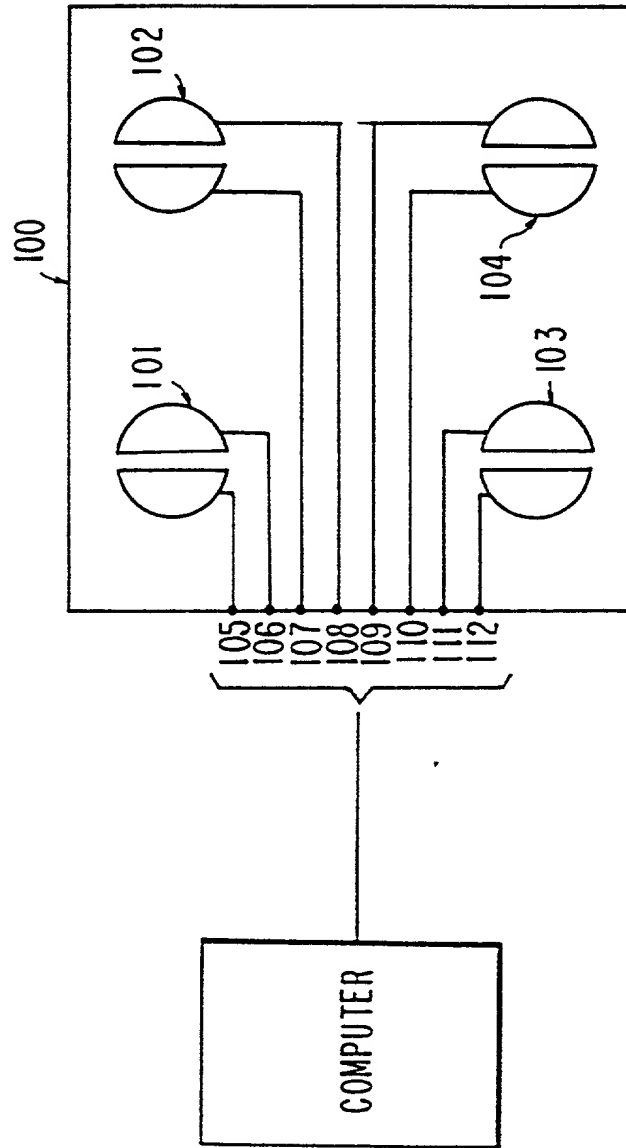


FIG. 14

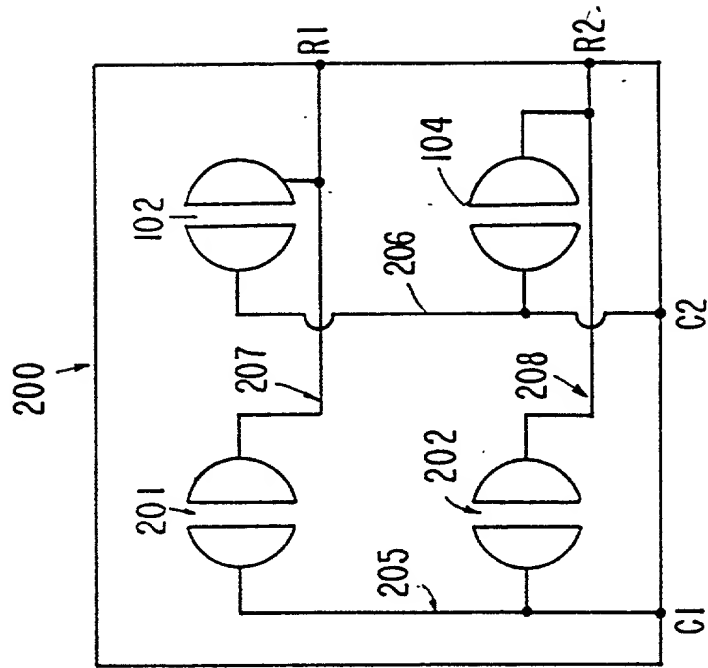


FIG. 15

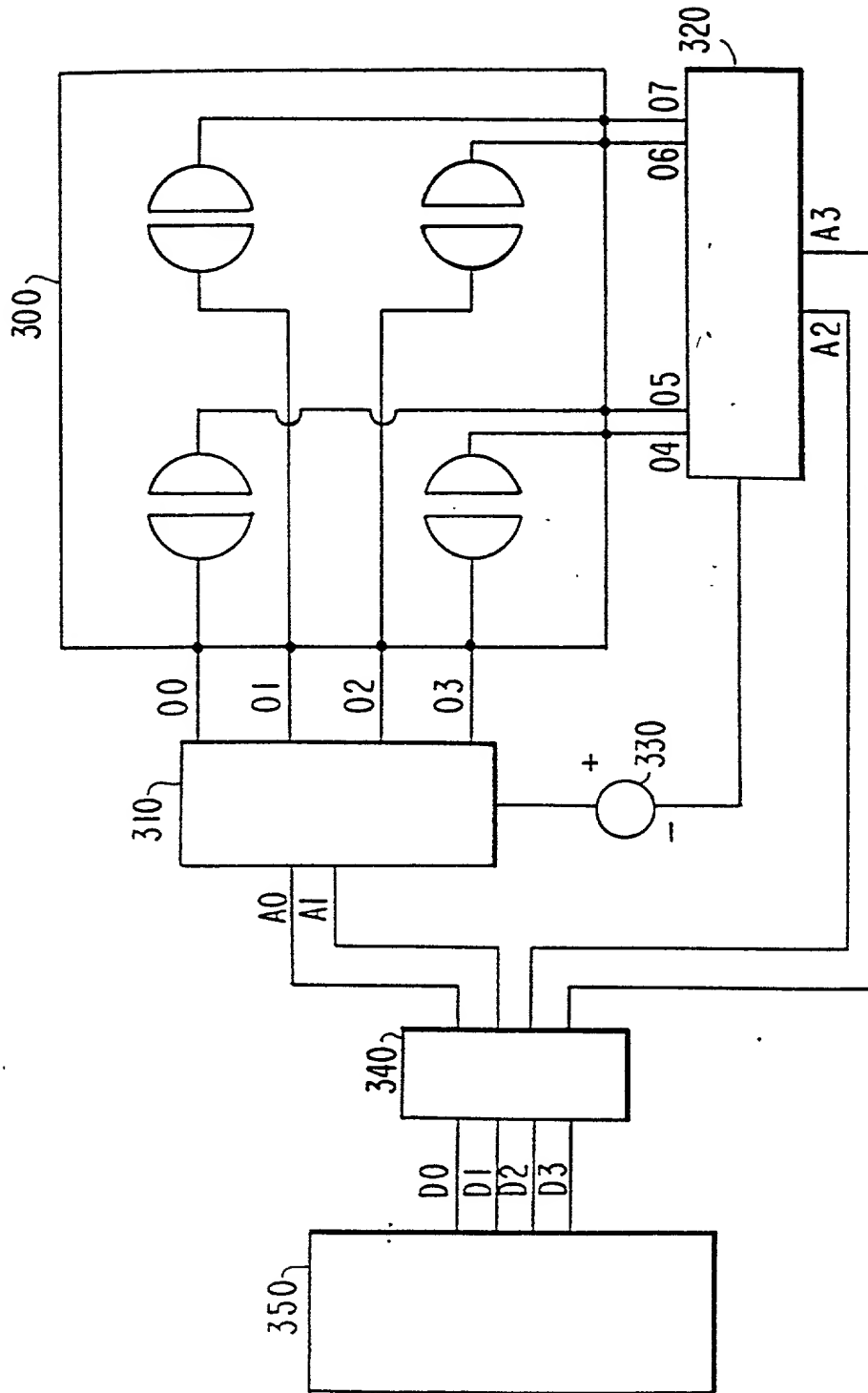


FIG. 16

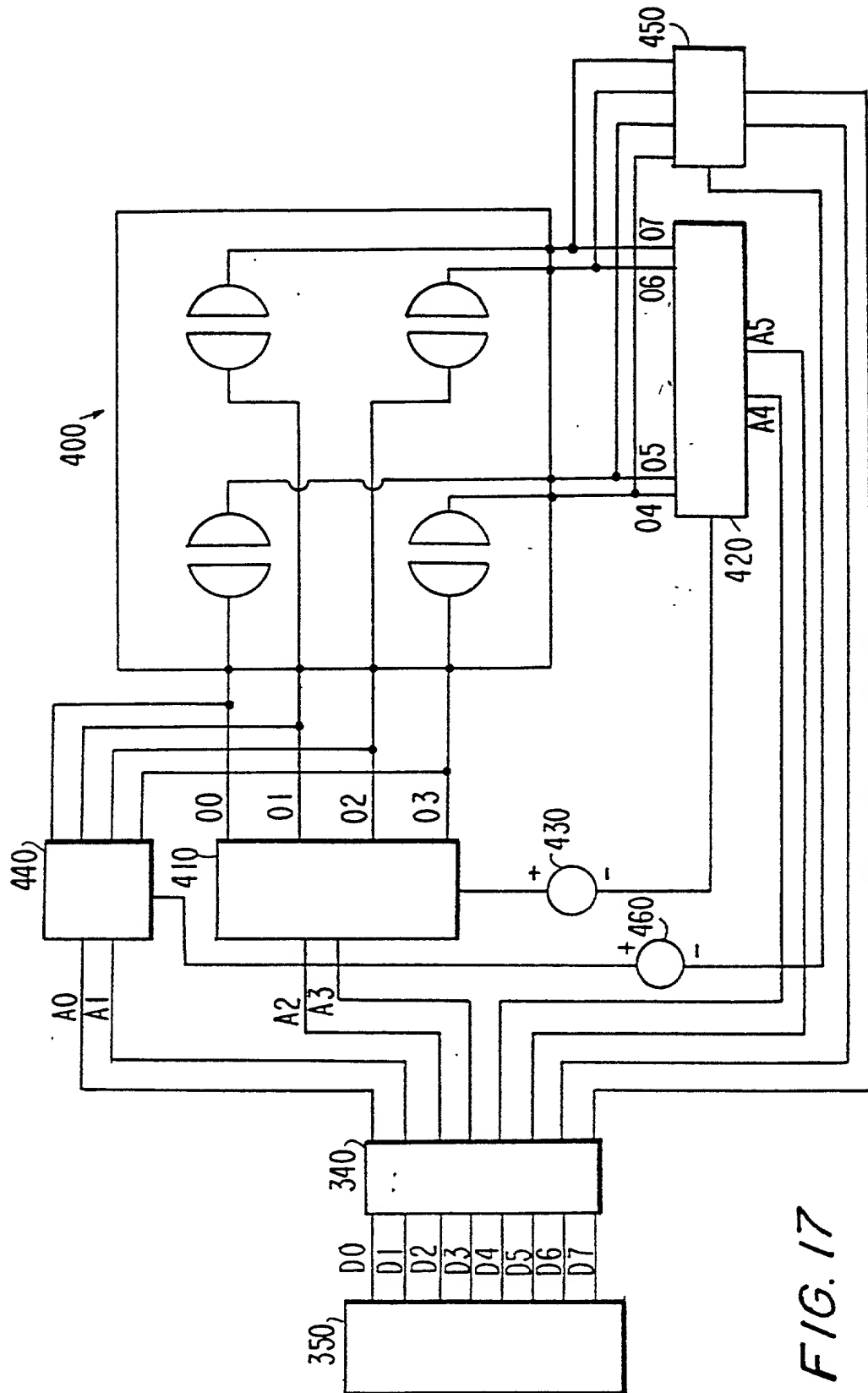


FIG. 17

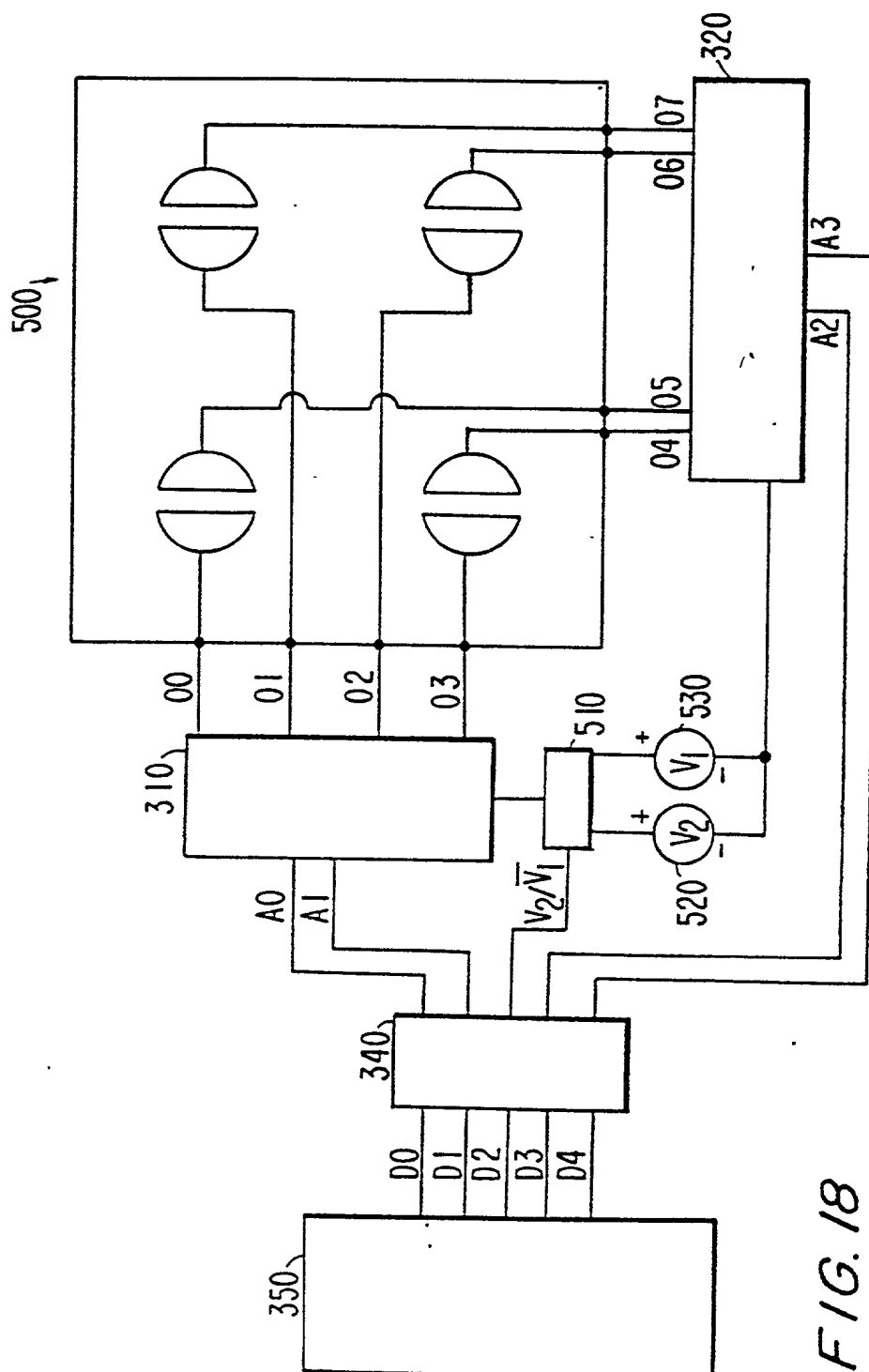


FIG. 18



FIG. 19a

FIG. 19b



FIG. 19c



FIG. 19d



FIG. 19e

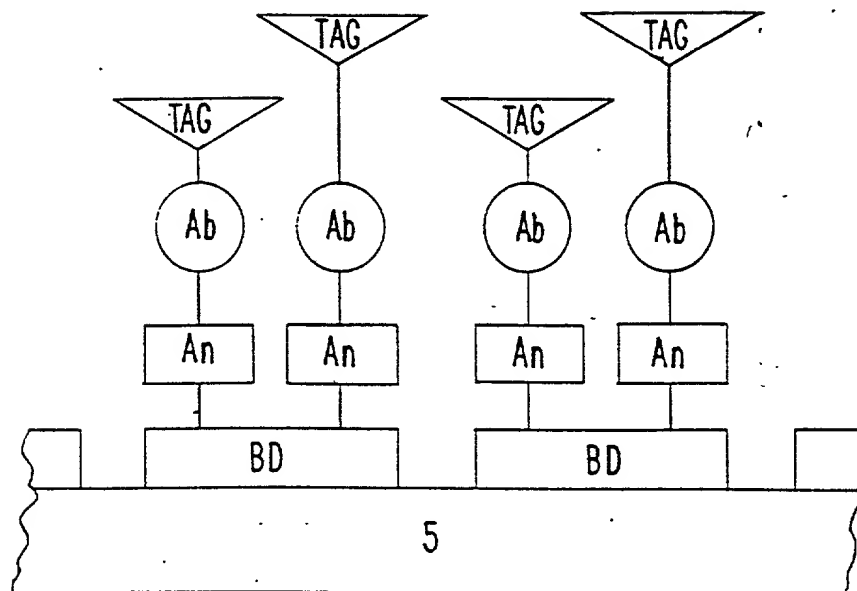


FIG. 20

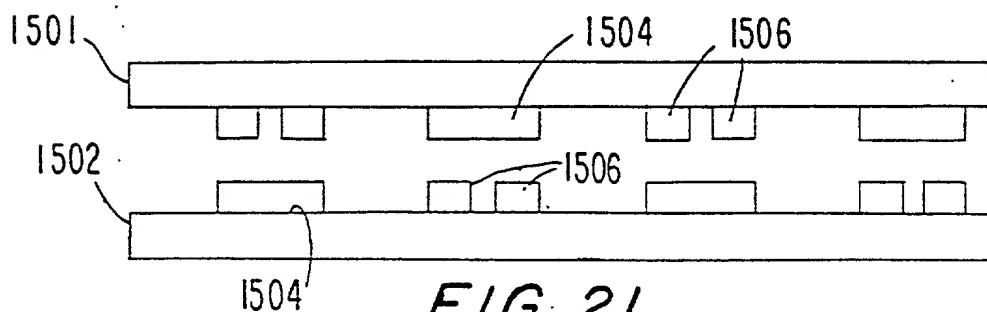


FIG. 21

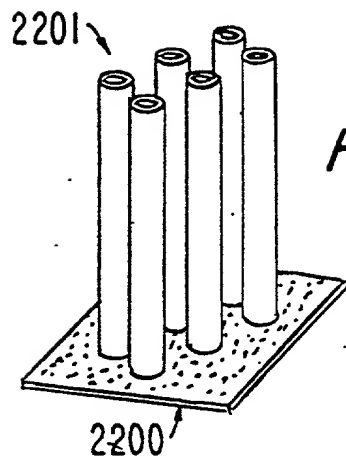


FIG. 22A

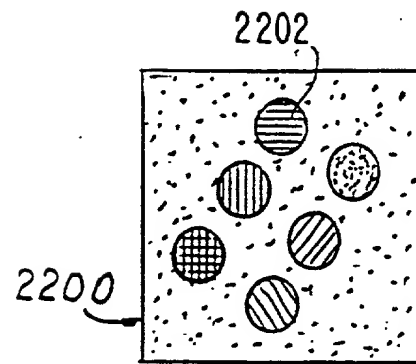


FIG. 22B

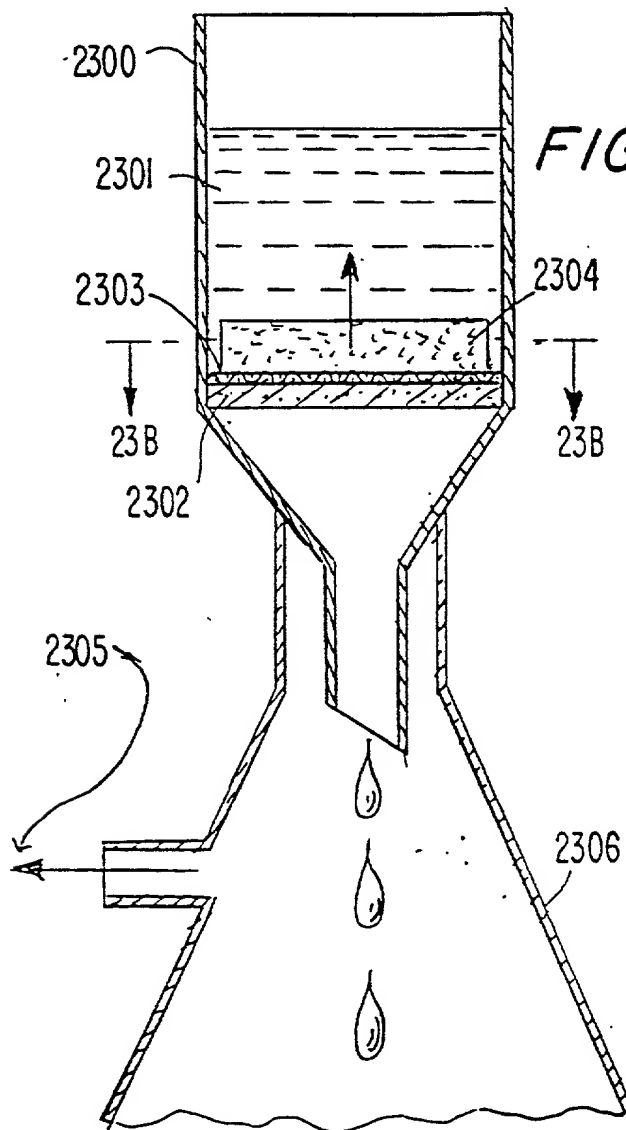


FIG. 23A

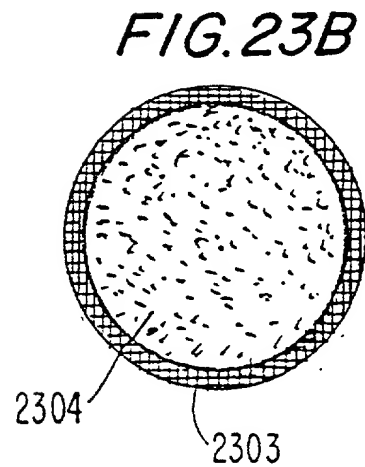


FIG. 23B

13

FIG. 24

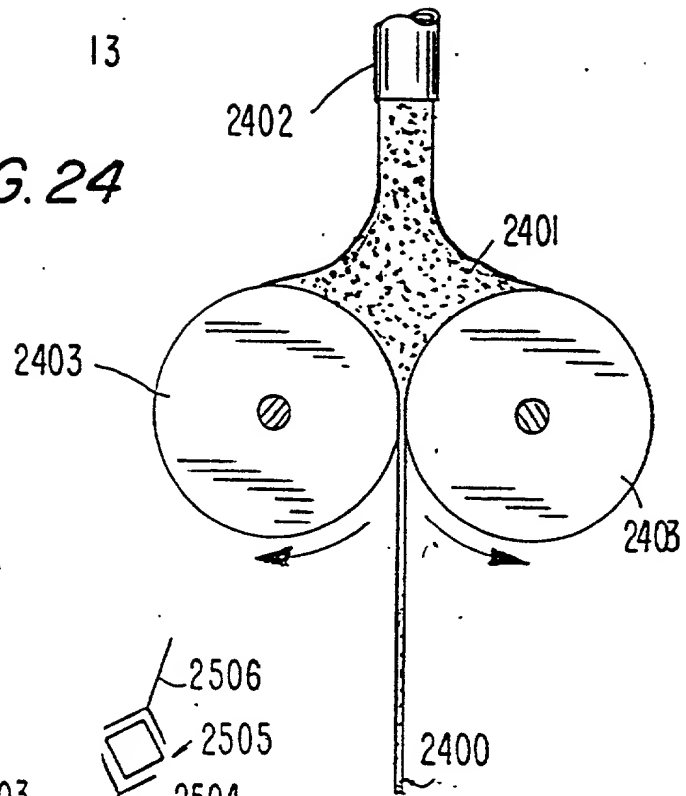


FIG. 25

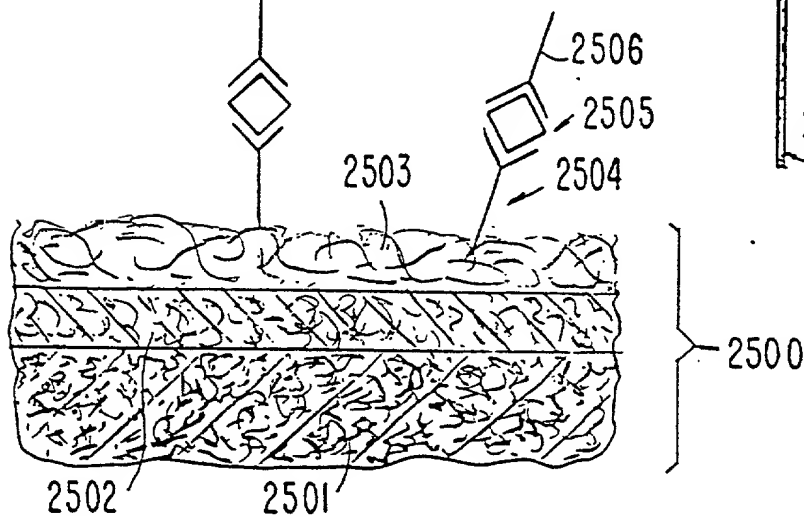


FIG. 26

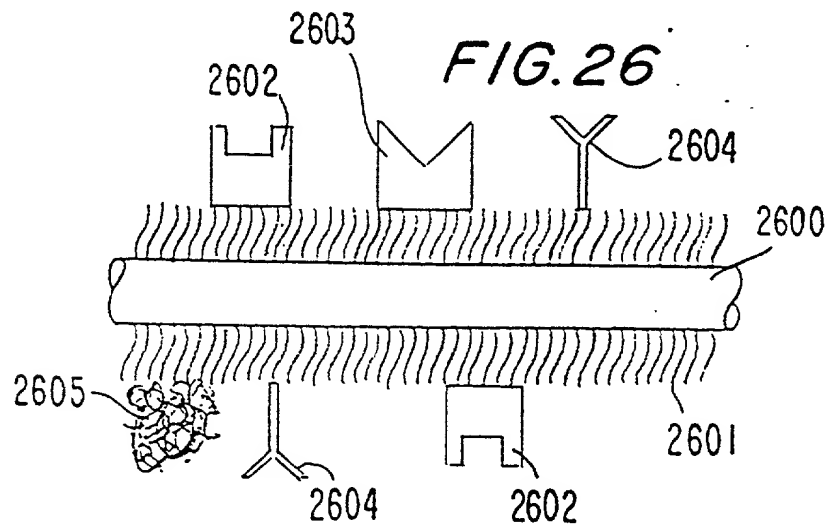


FIG. 27

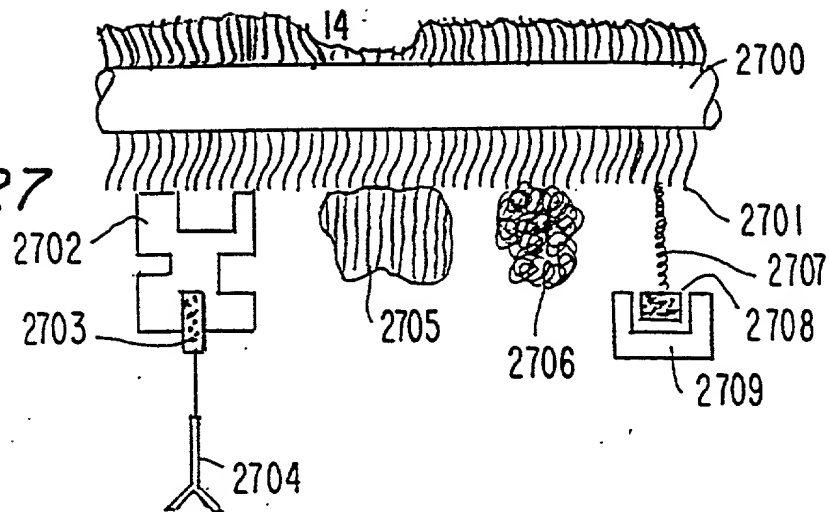


FIG. 28

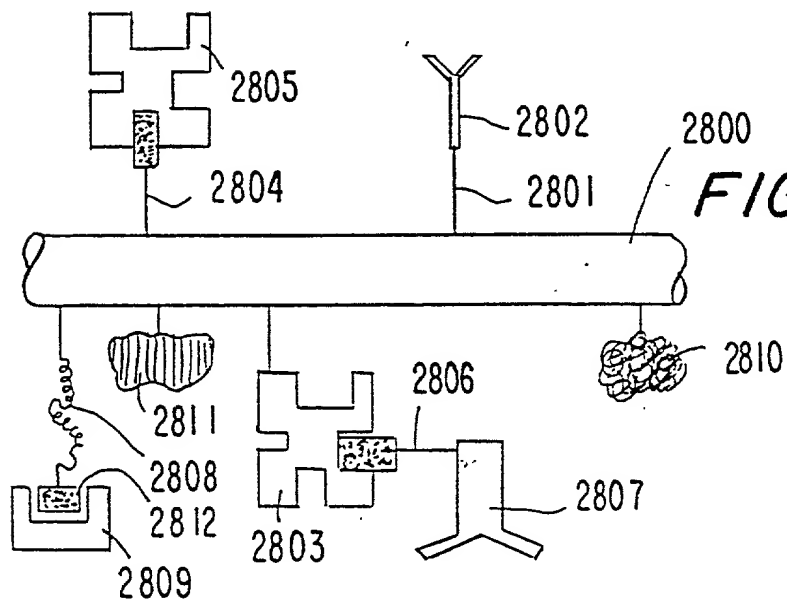
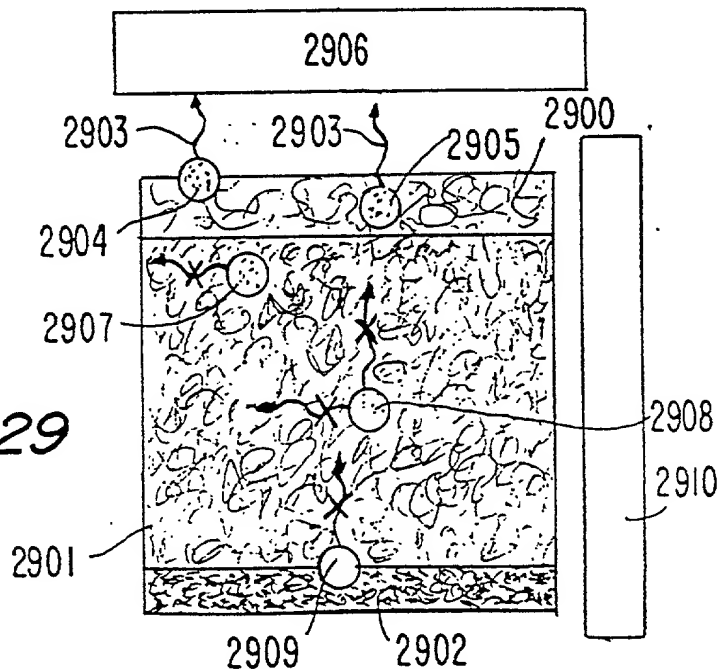


FIG. 29



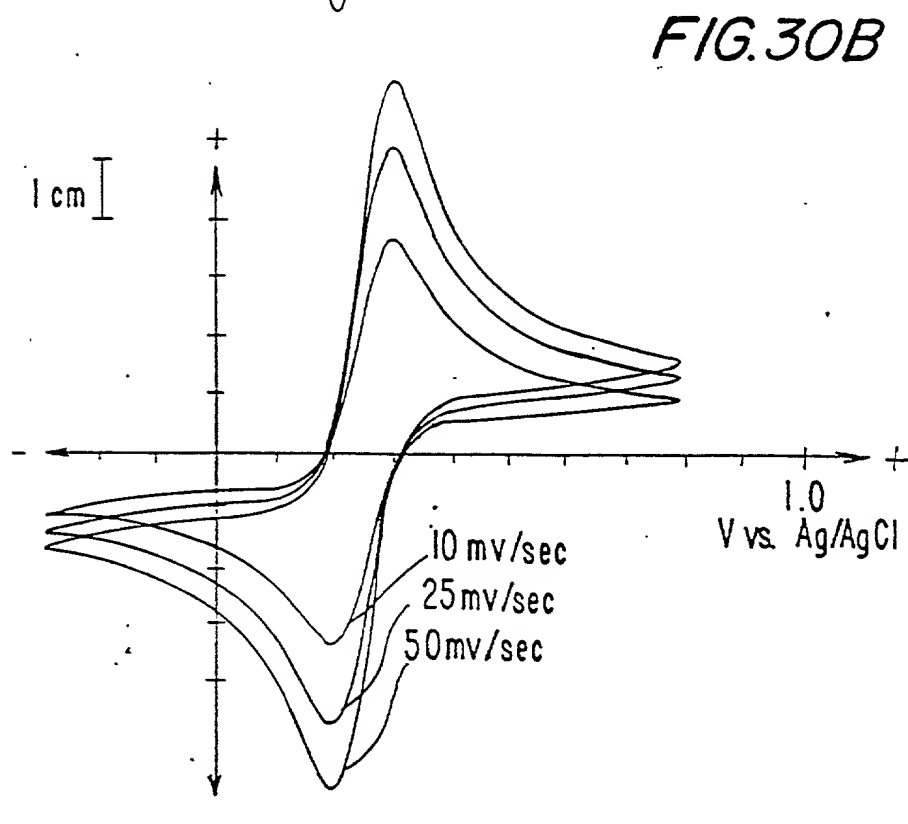
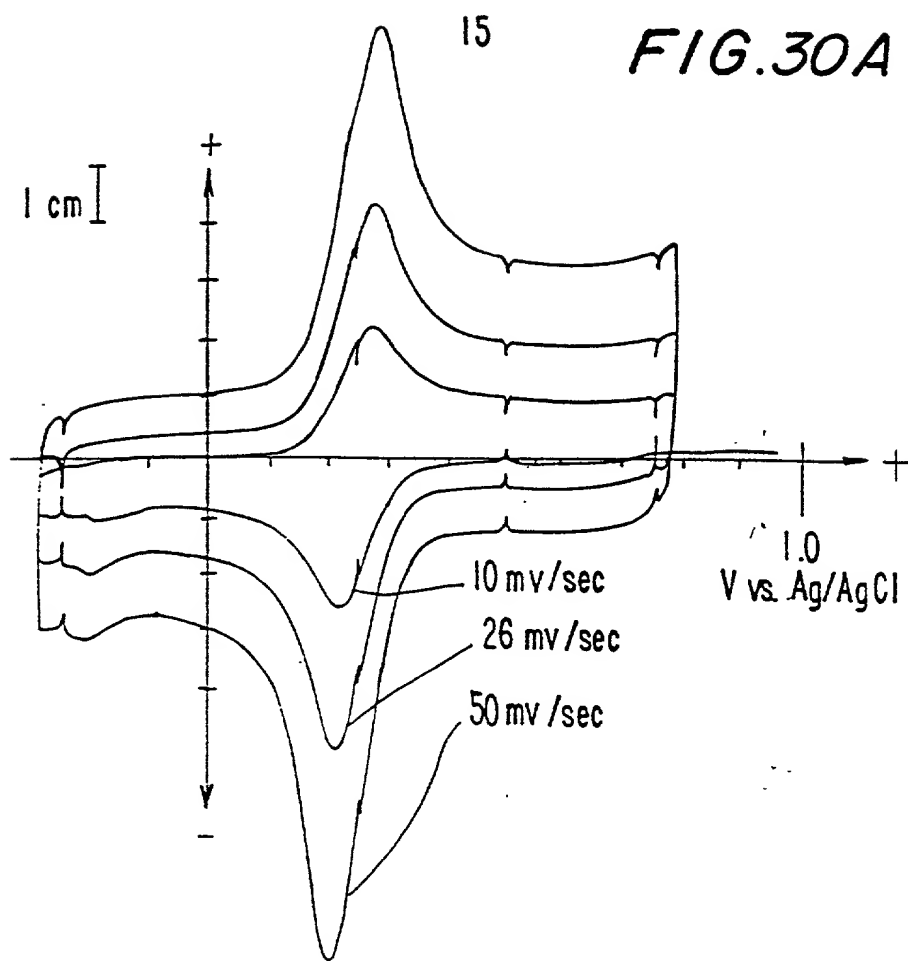


FIG. 31

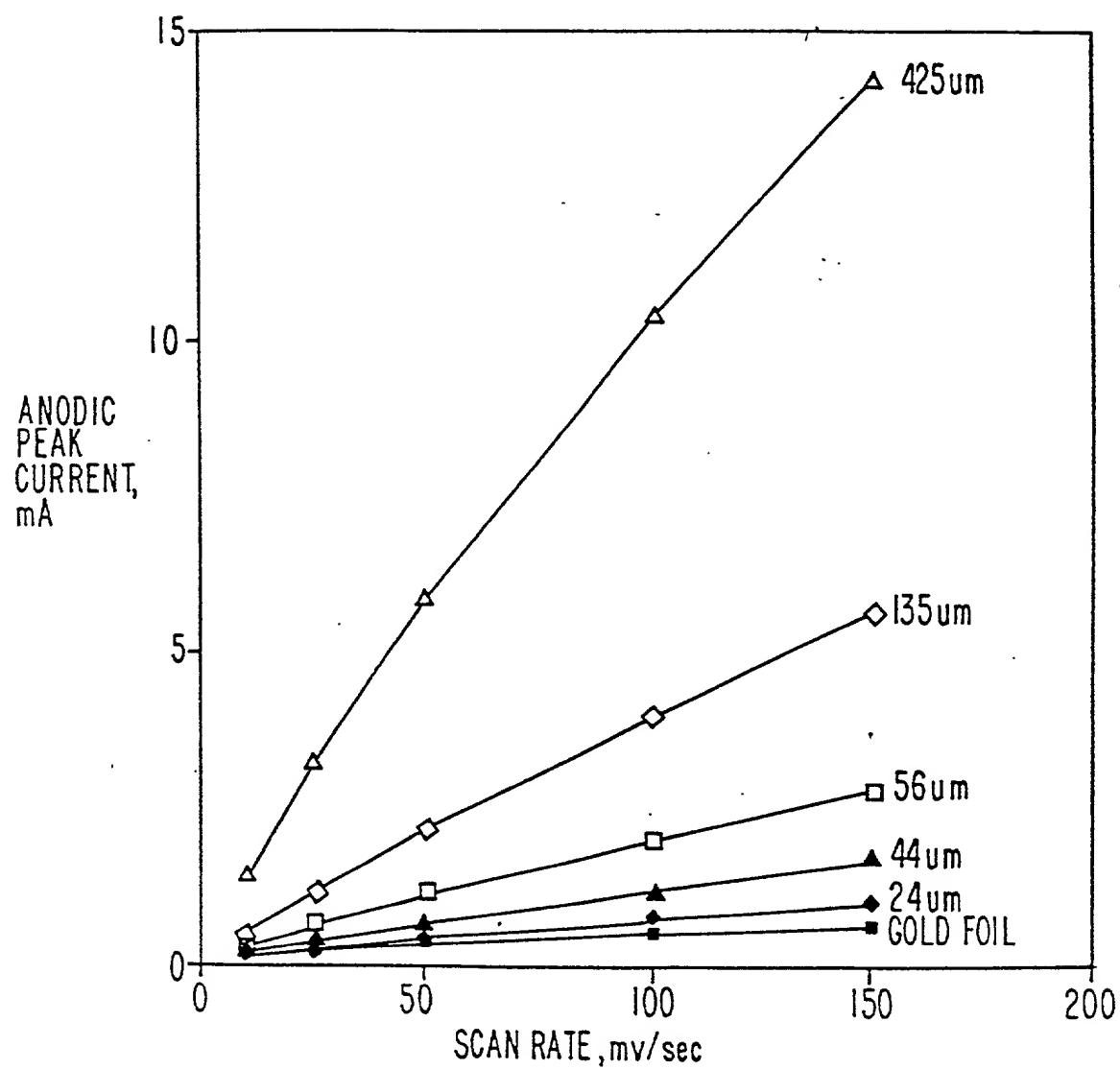


FIG. 32

ECL PEAK INTENSITY

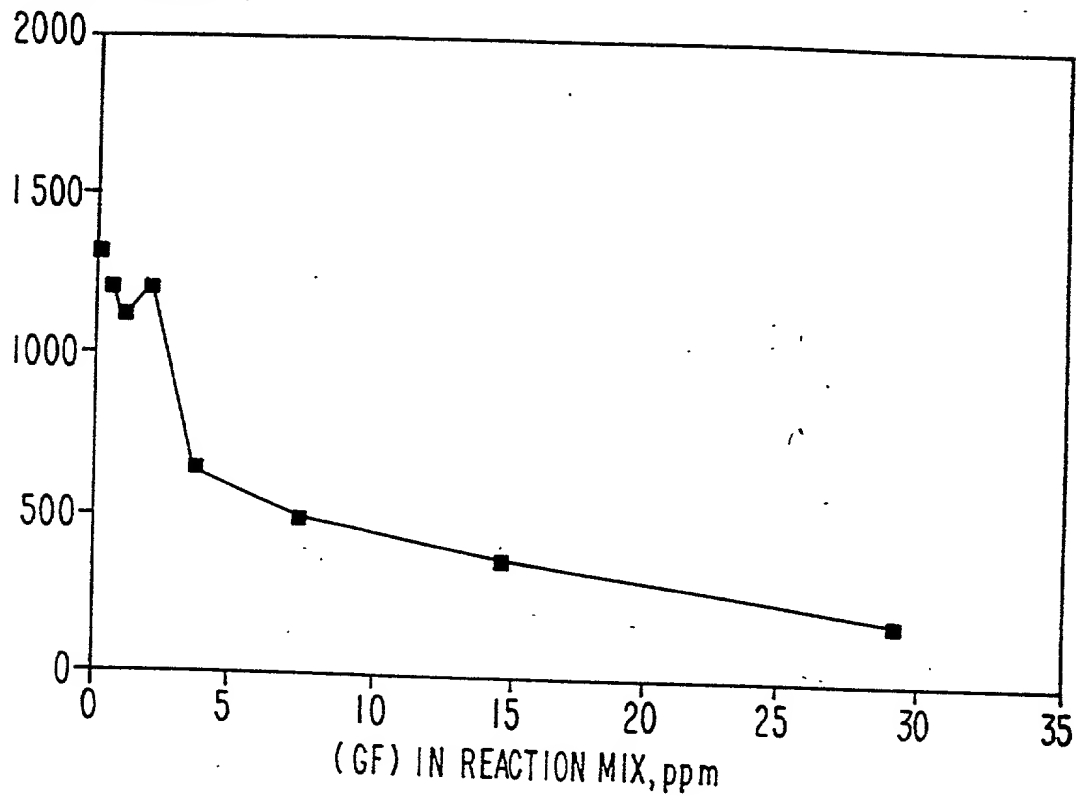
ECL PEAK INTENSITY
OF SUPERNATANT

FIG. 33

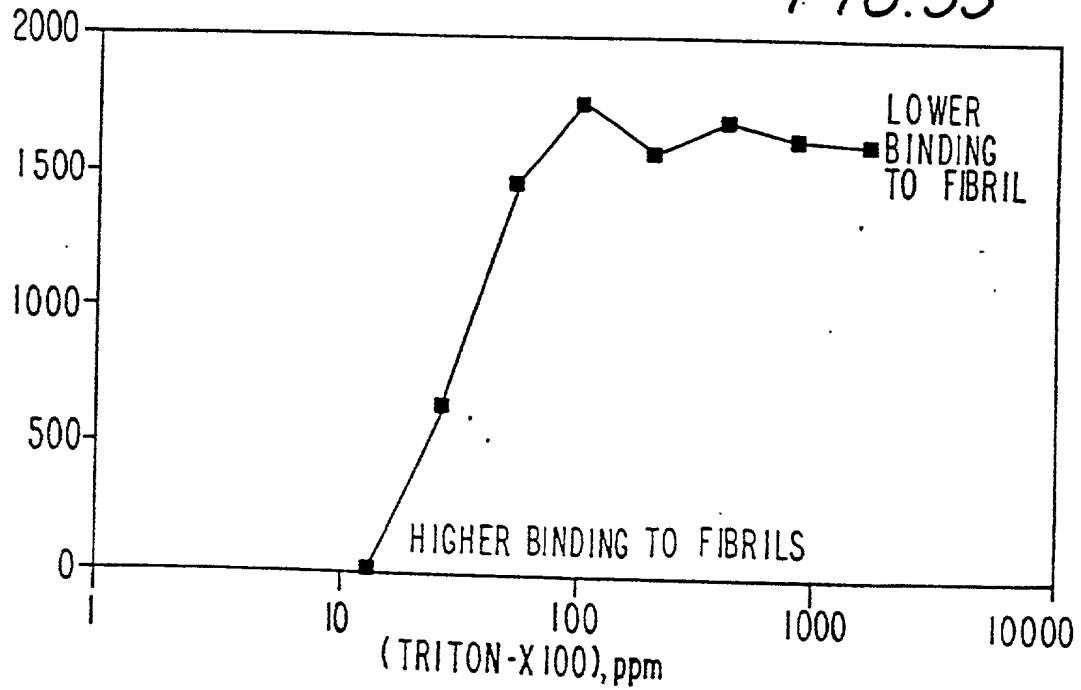


FIG. 34

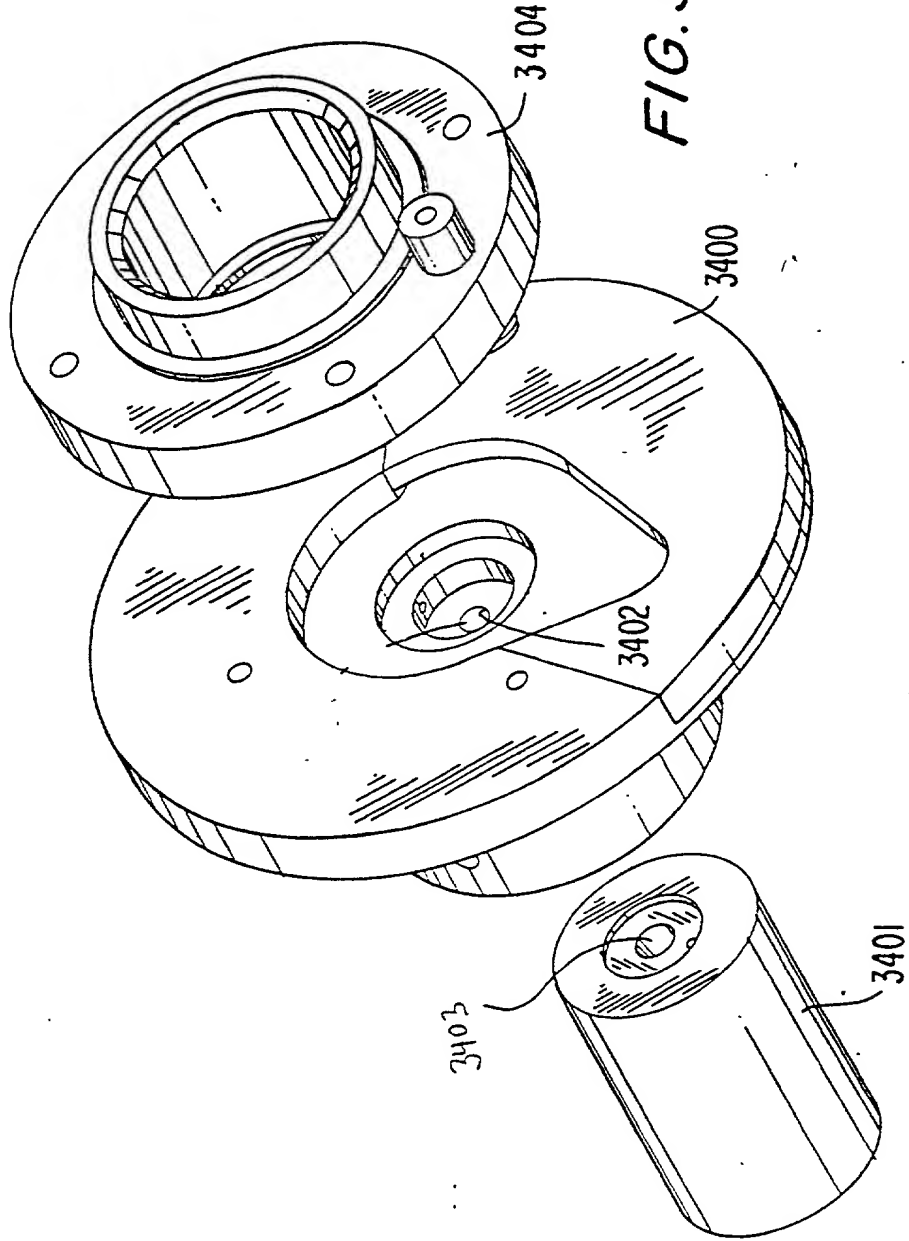


FIG. 35

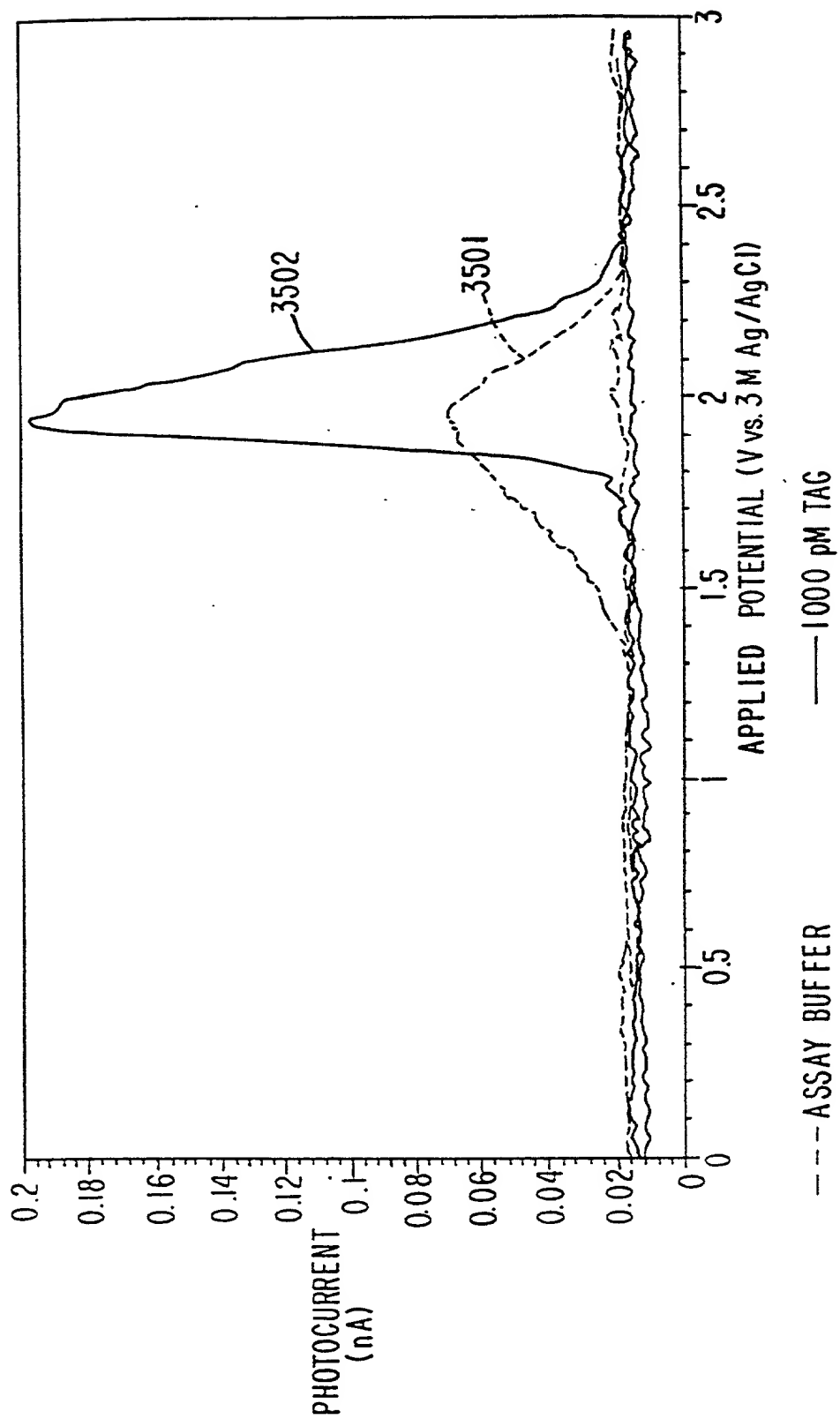


FIG. 36

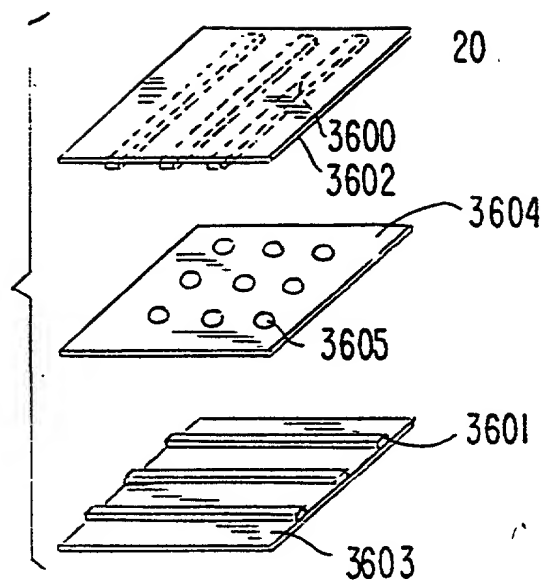


FIG. 37

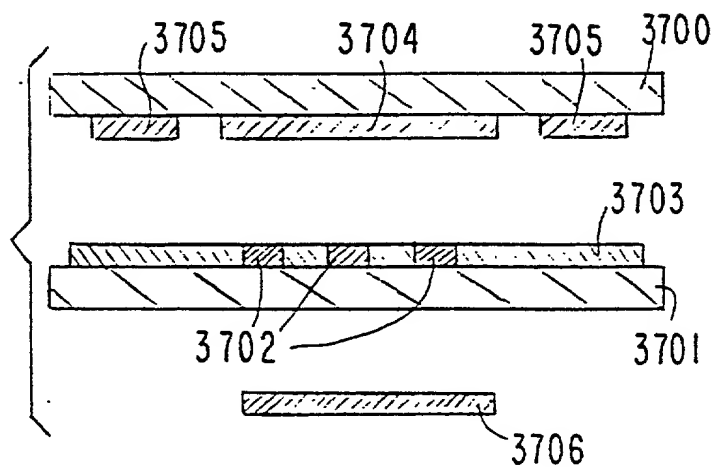


FIG. 38

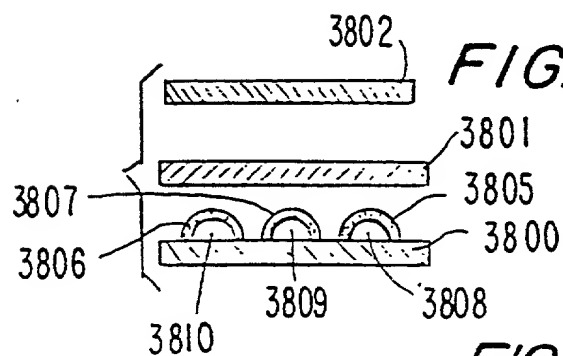


FIG. 39

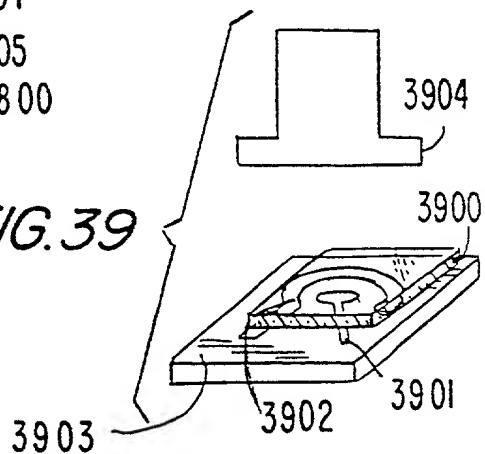


FIG. 40²¹

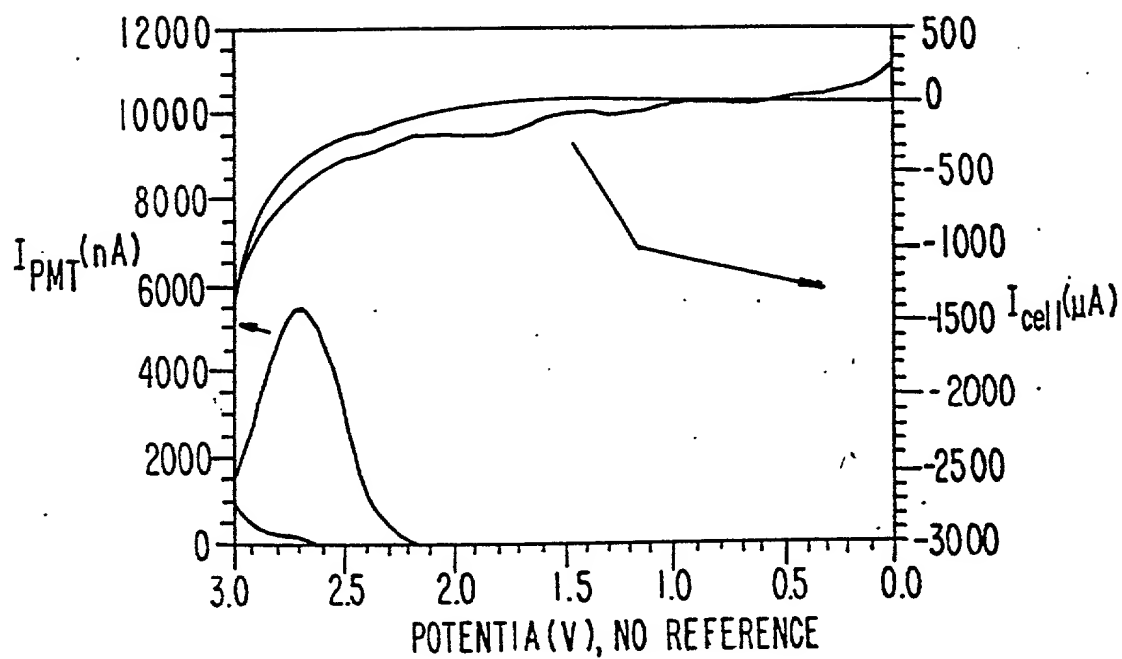
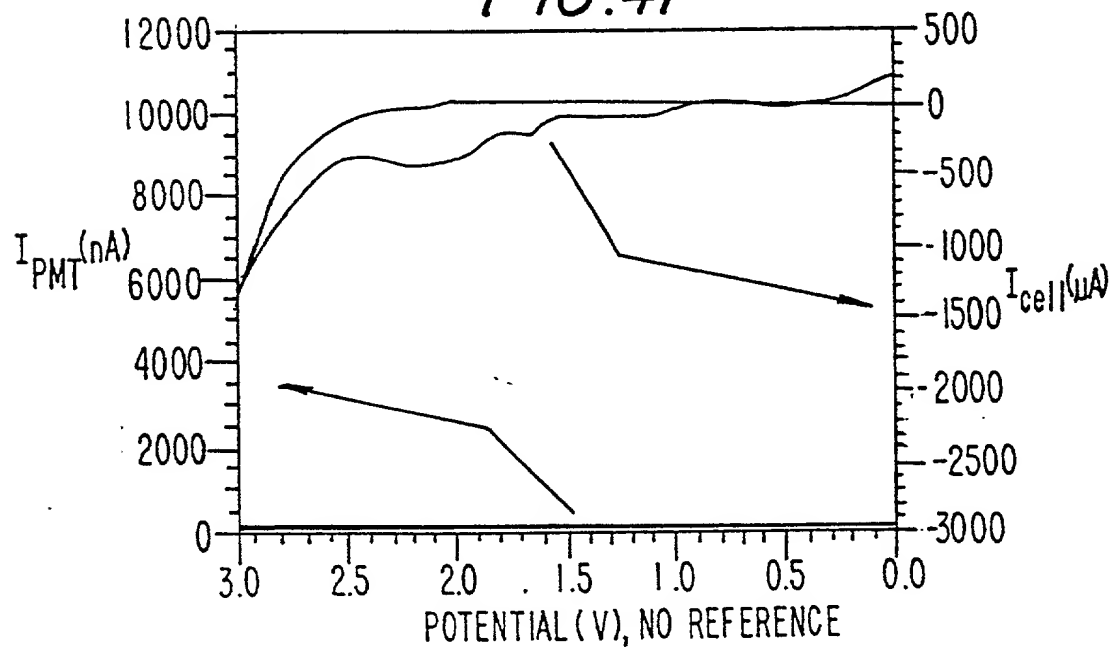


FIG. 41



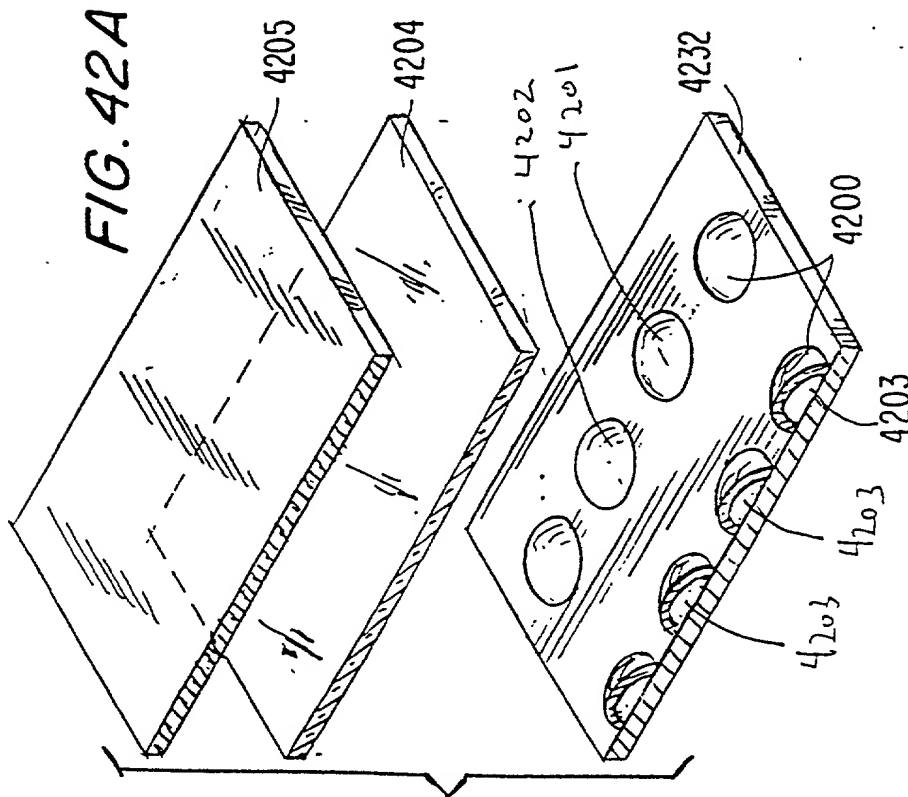


FIG. 42A

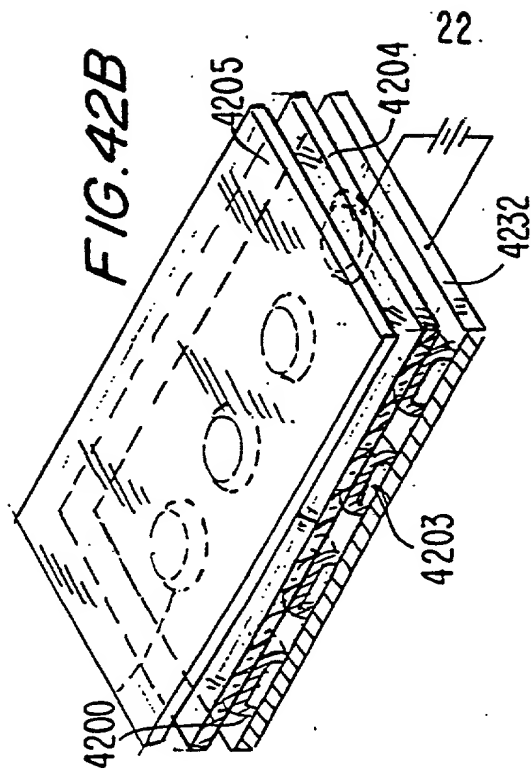


FIG. 42B

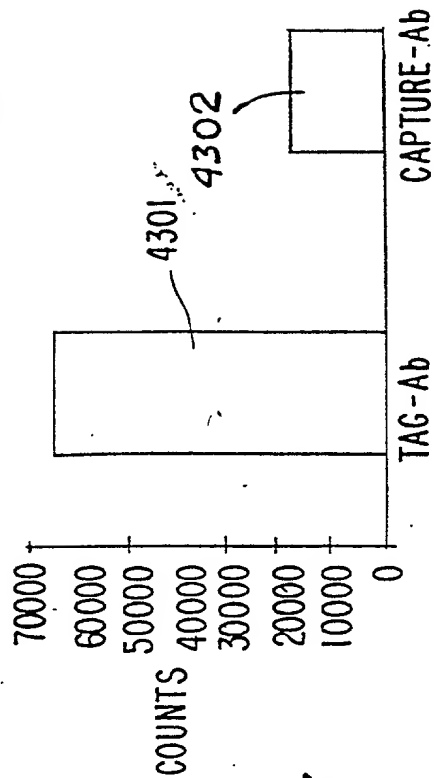


FIG. 43

FIG. 44A

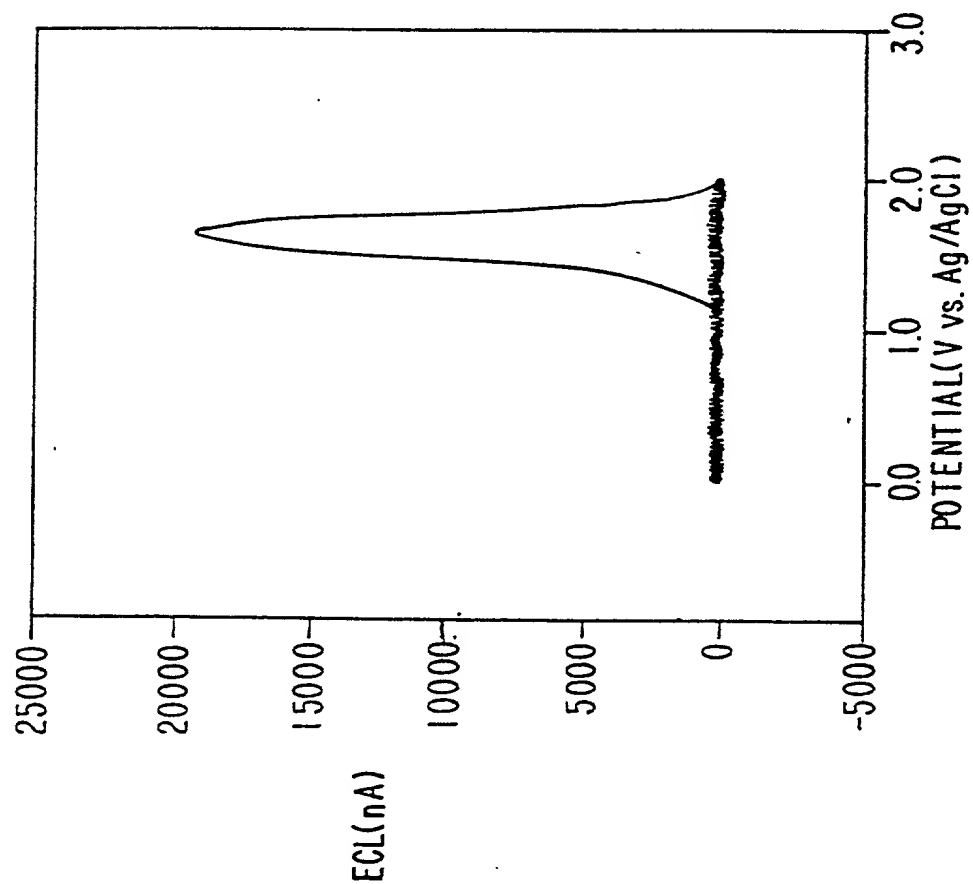


FIG. 44B

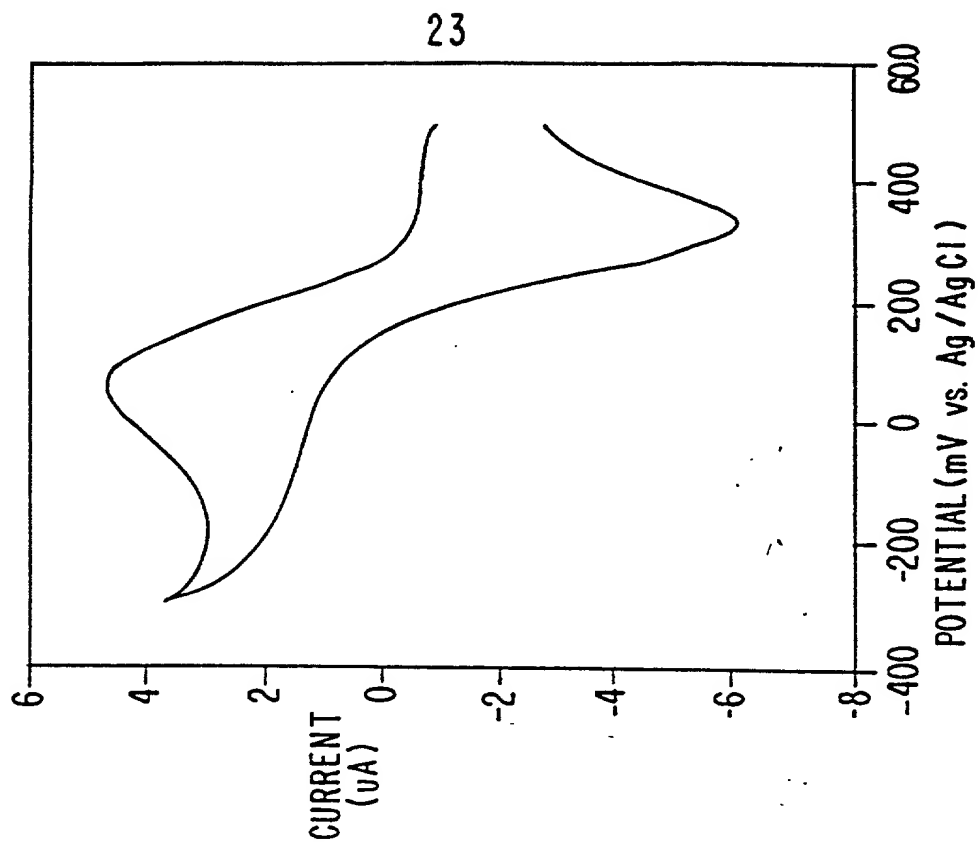


FIG. 45A

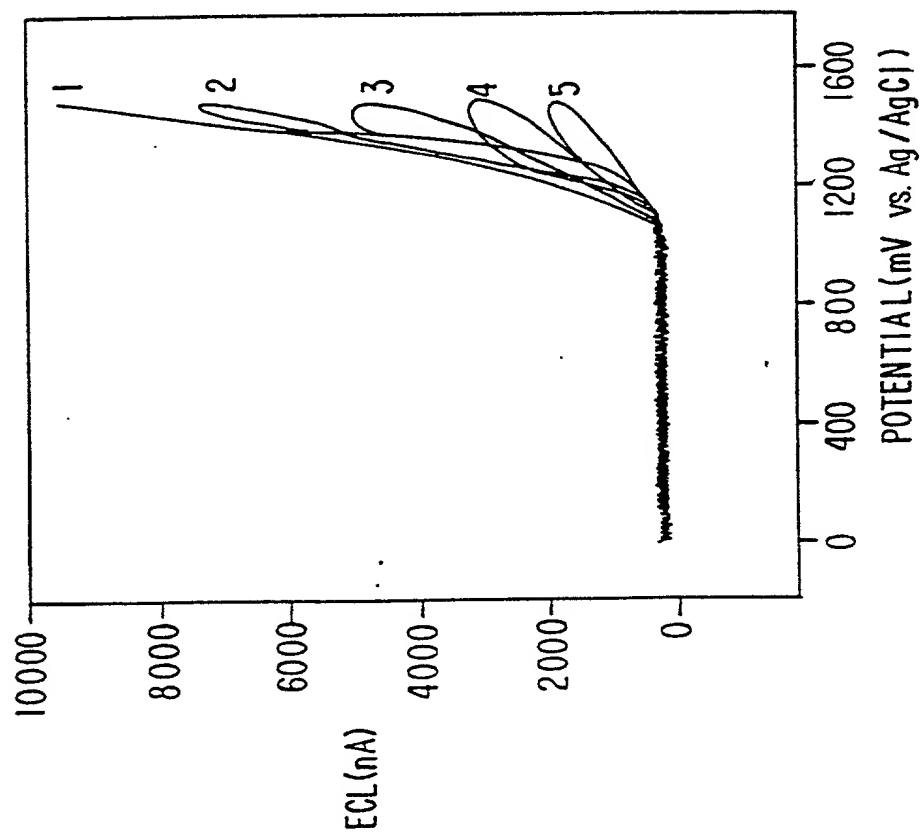


FIG. 45B

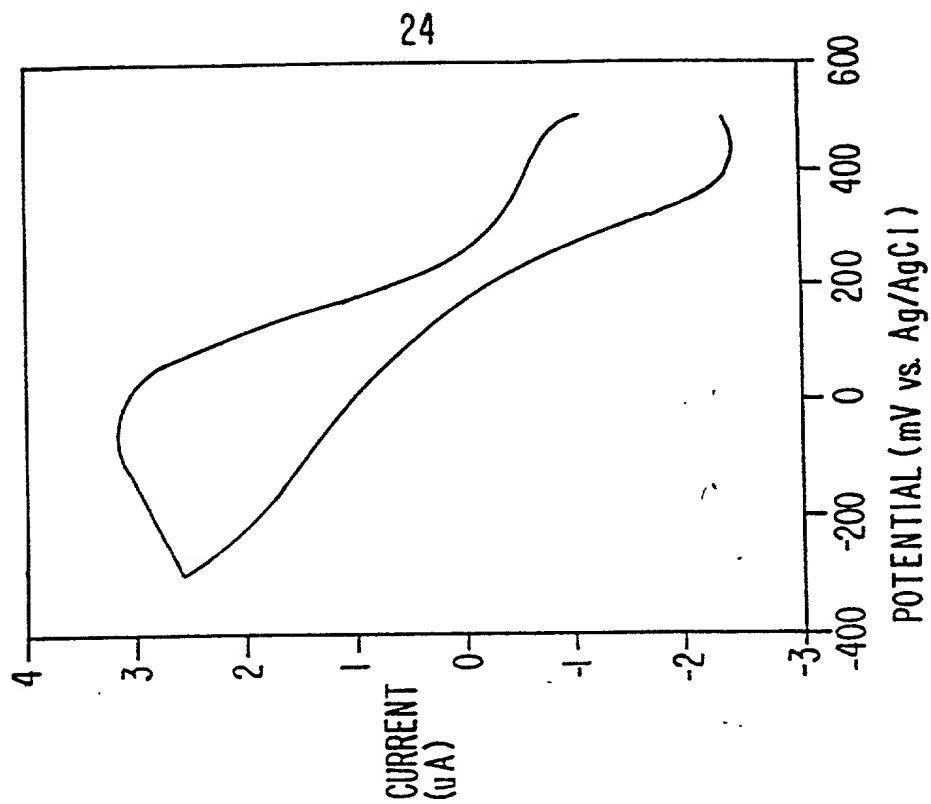


FIG. 46A

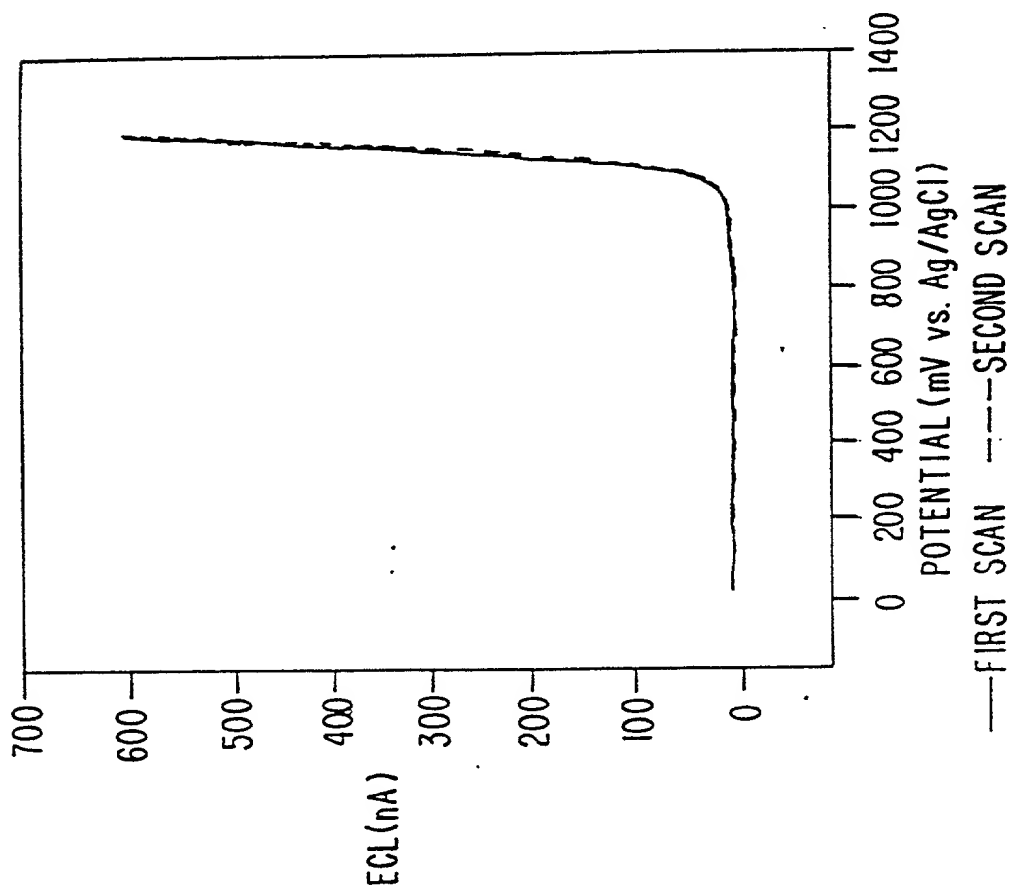


FIG. 46B

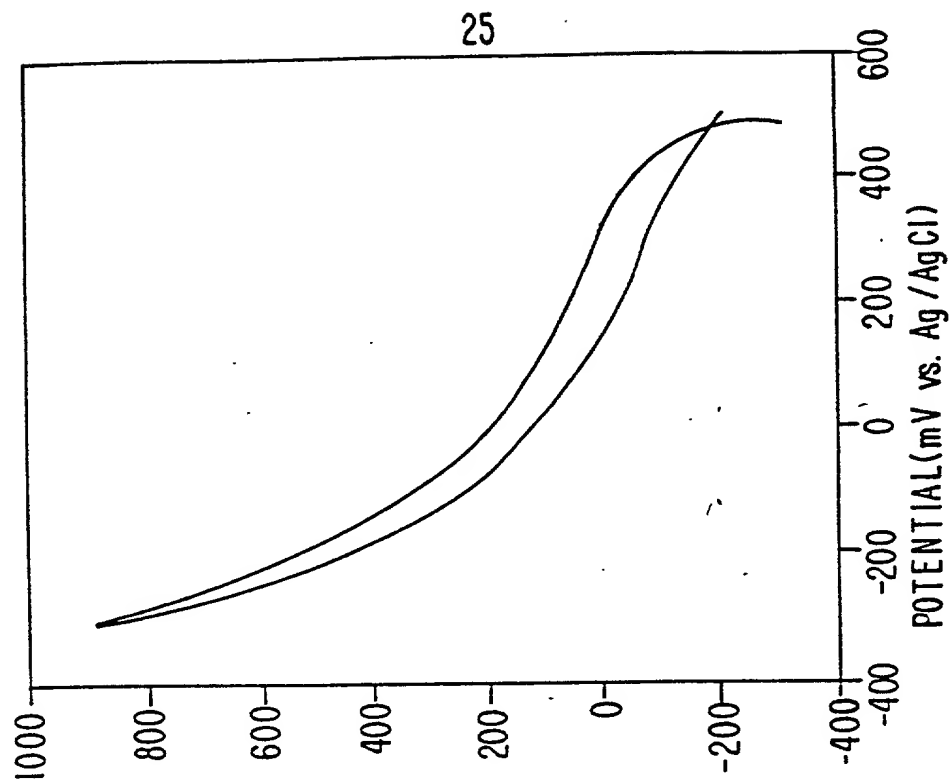
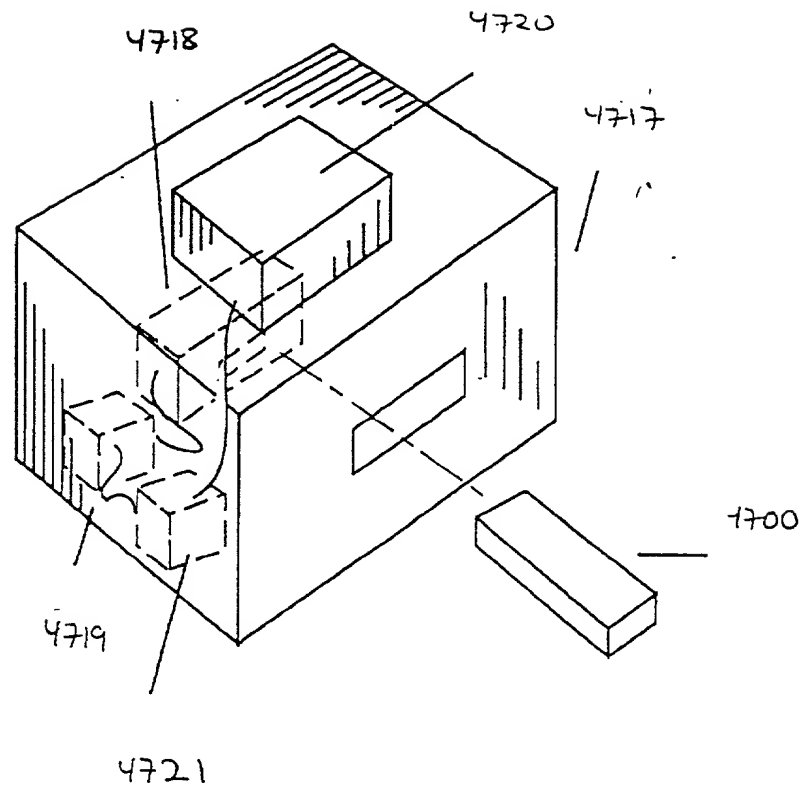


Figure 47



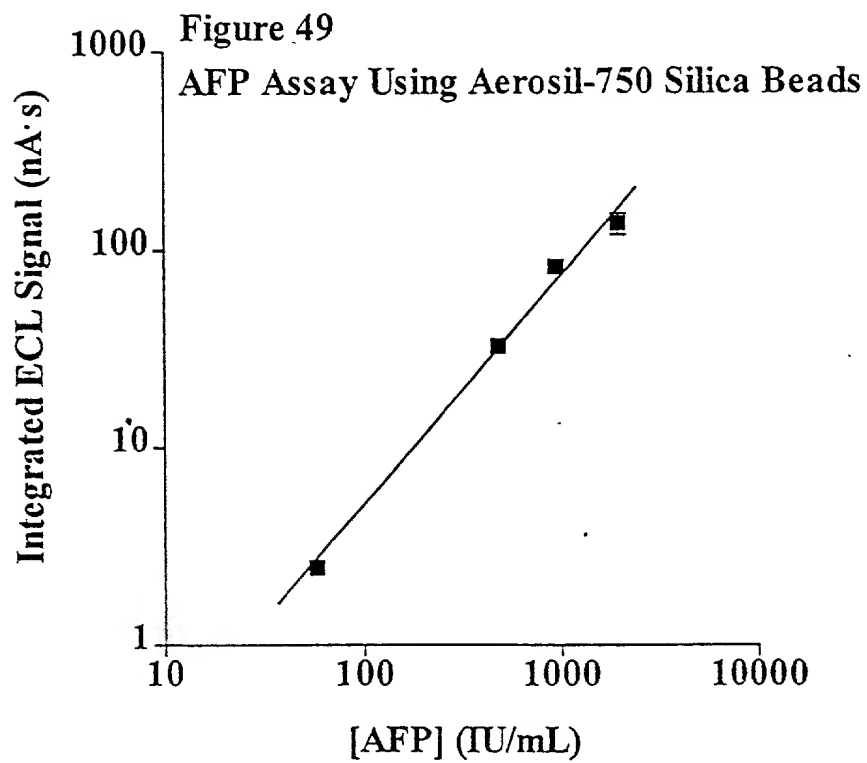
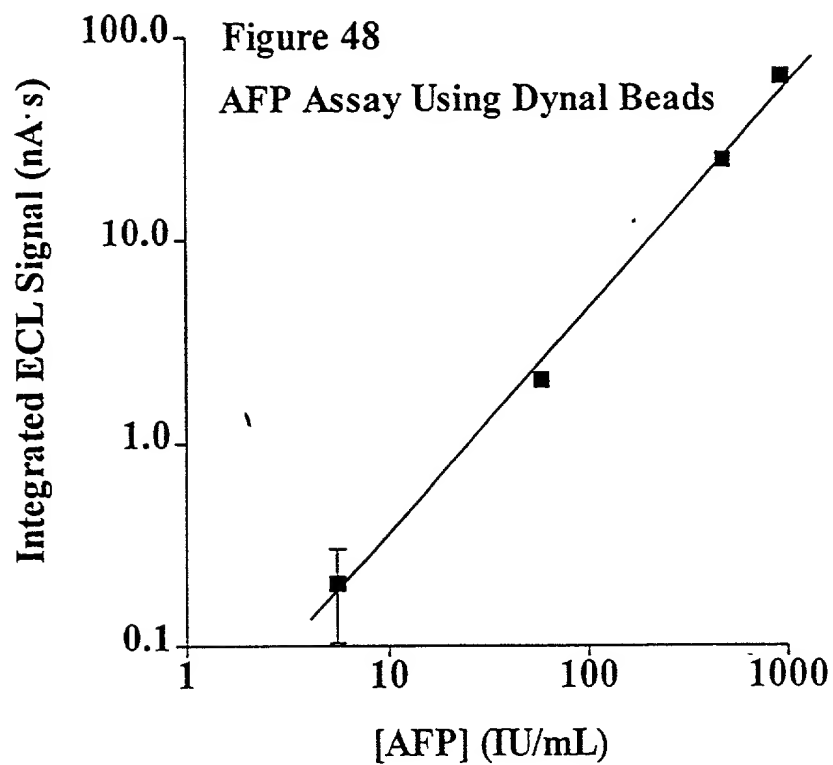


Figure 50

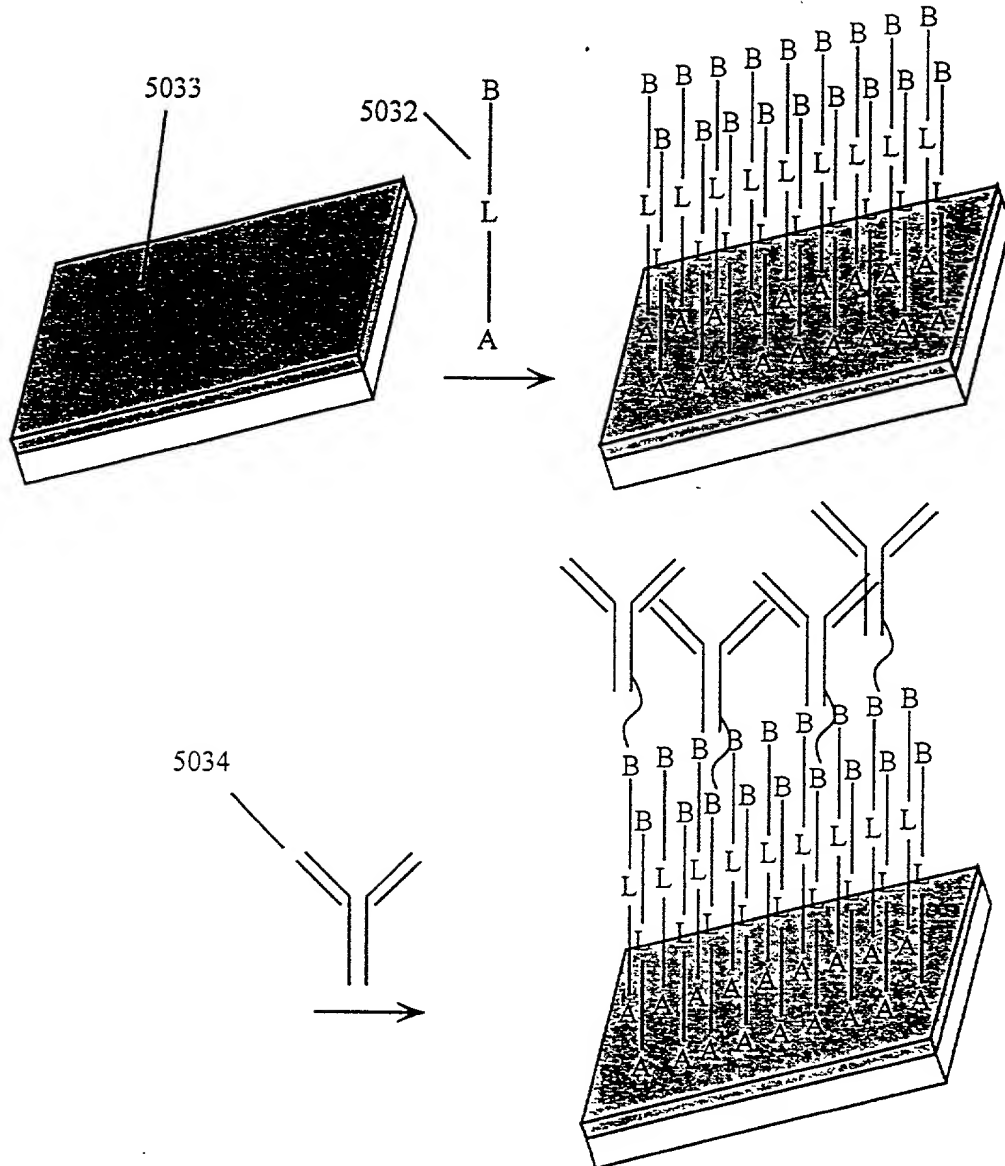


Figure 51

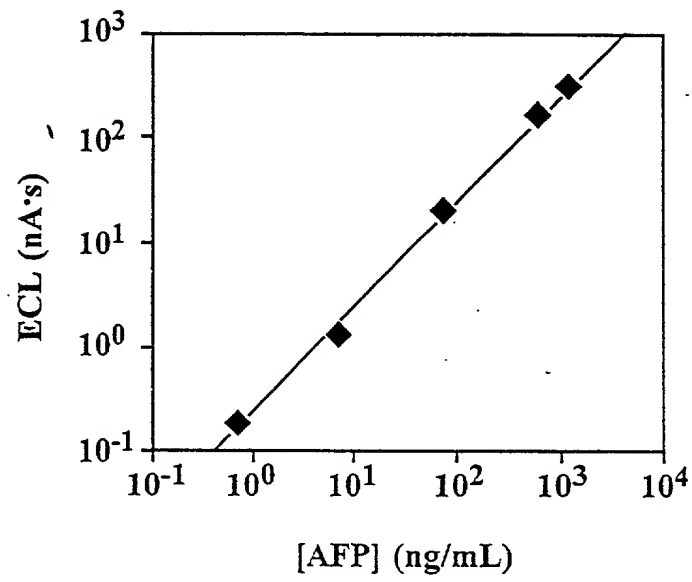


Figure 52

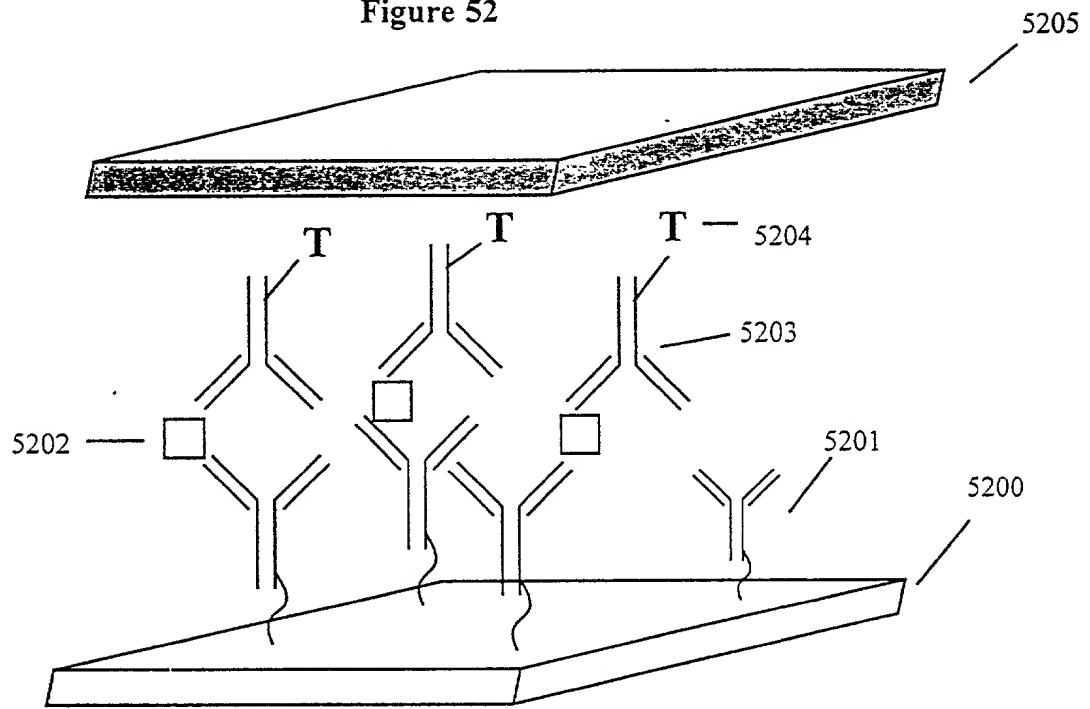


Figure 53

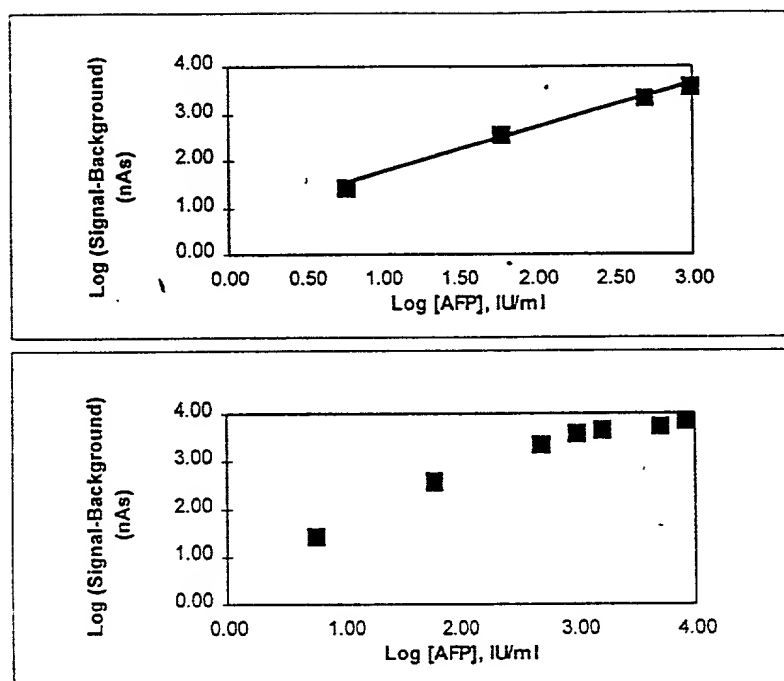
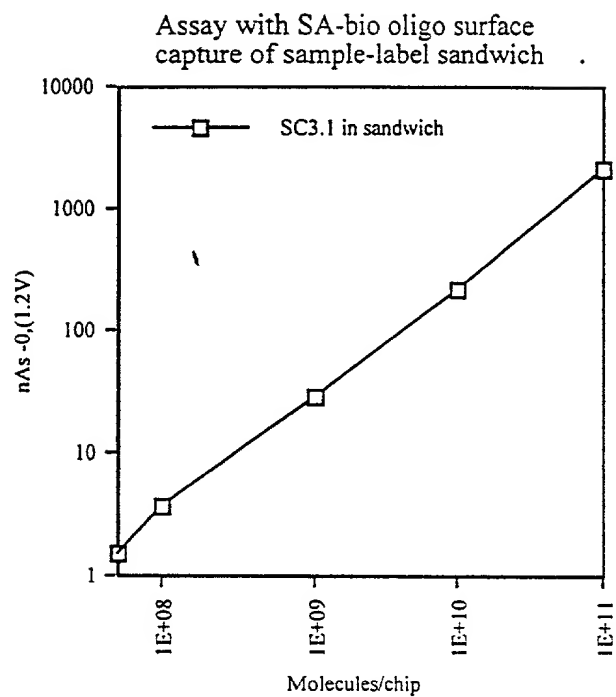


Figure 54



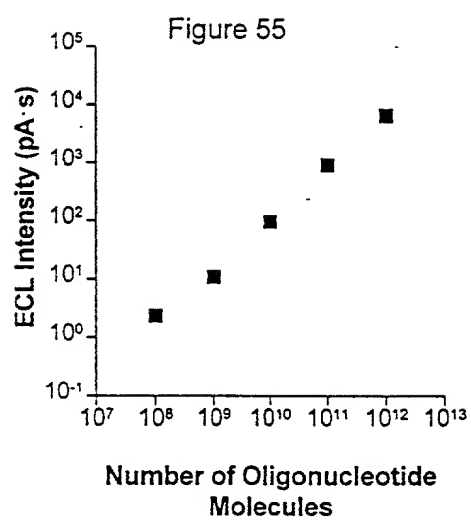


Figure 56

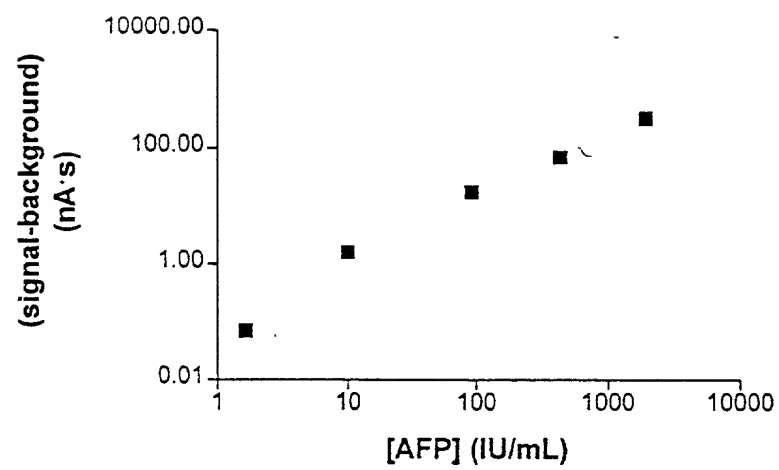
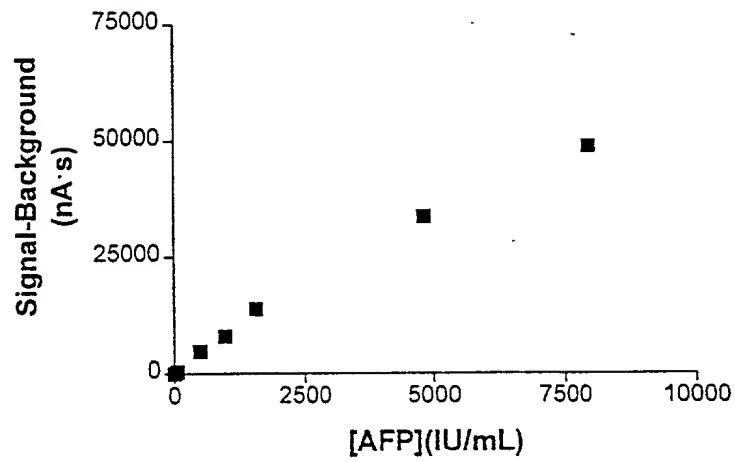
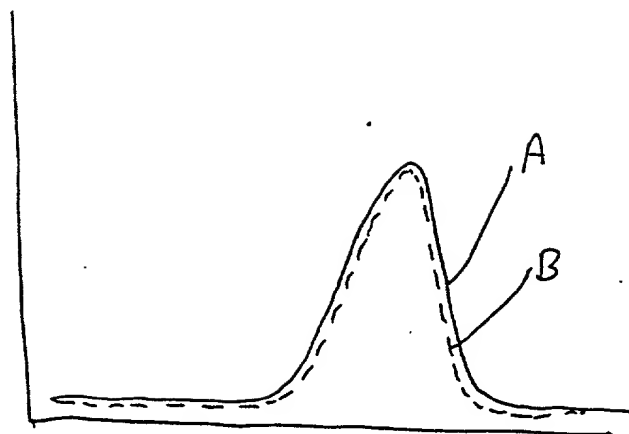


Figure 57



(A)

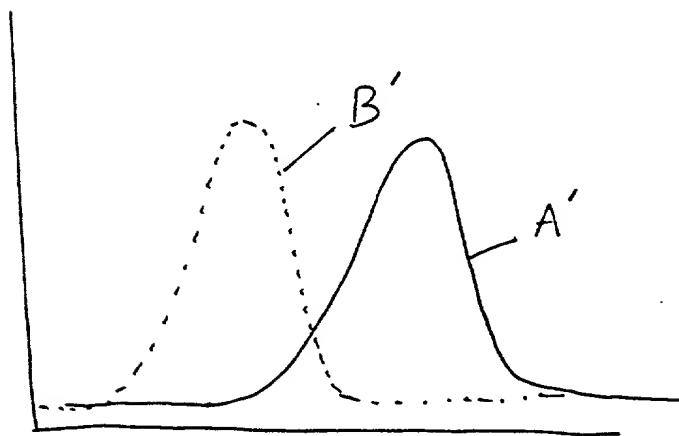
ECL
Signal



Electrochemical
Potential

(B)

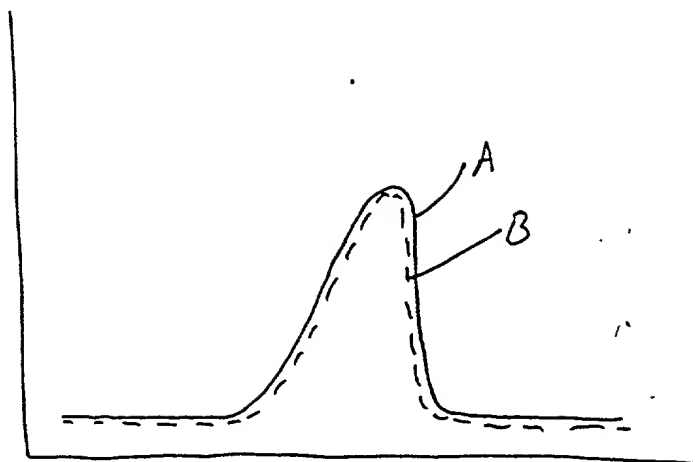
ECL
Signal



Electrochemical
Potential

Figure 58

(A)

ECL
SignalElectrochemical
Potential

(B)

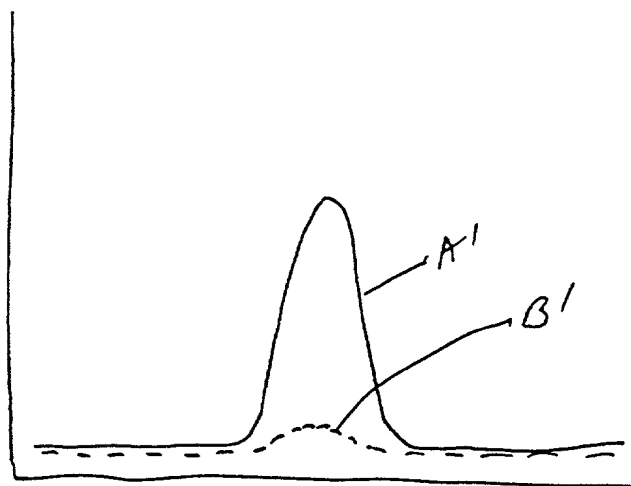
ECL
SignalElectrochemical
Potential

Figure S9

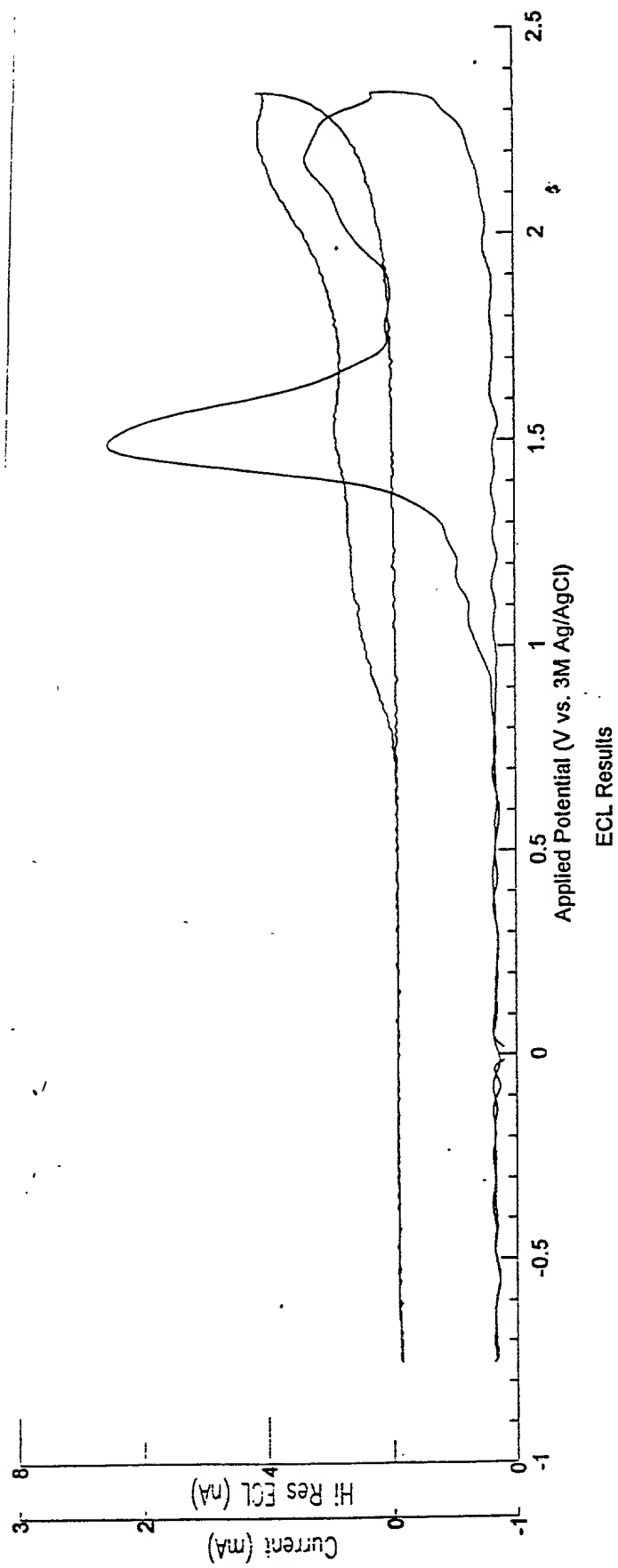


Figure 60

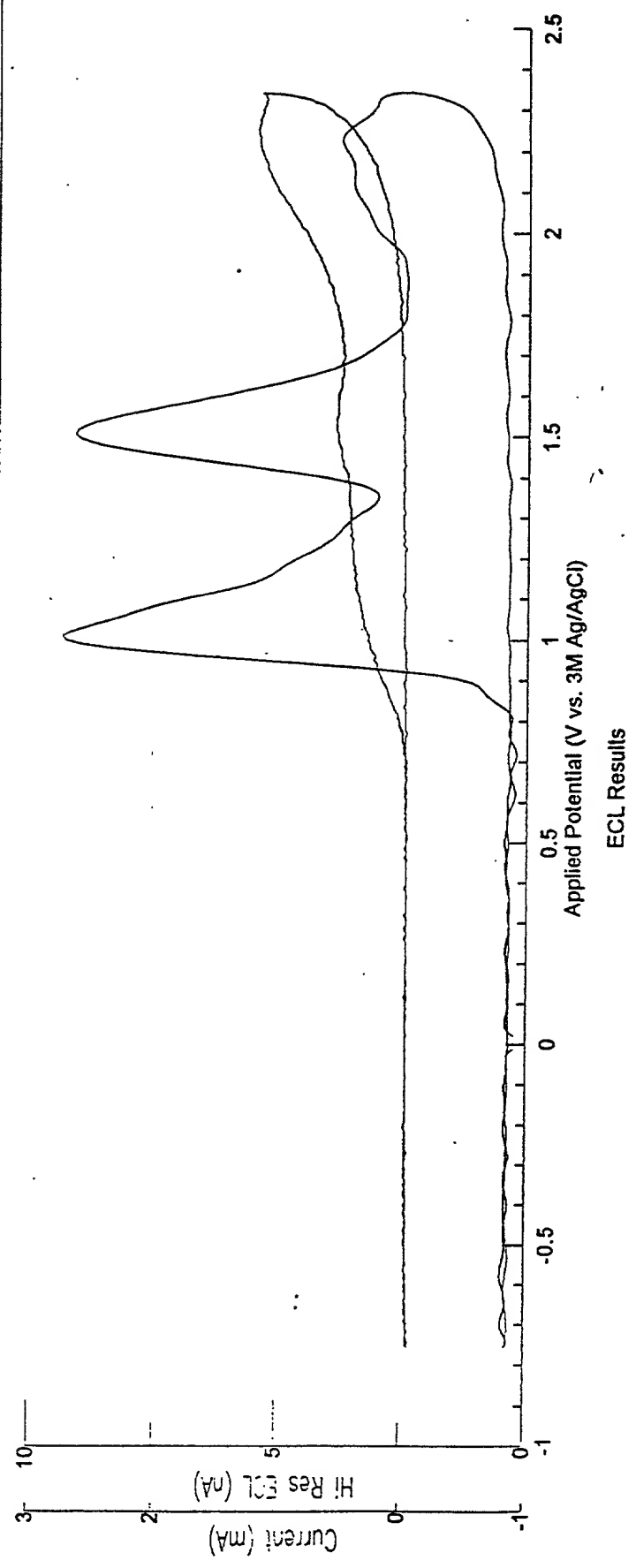


Figure 61